COLUMBIA-PRESBYTERIAN MEDICAL CENTER

The Presbyterian Hospital
1995 Annual Report

METAMORPHOSIS

The Transformation of a Hospital into a Regional Integrated Health-Care Network

"Nature does not know extinction; all it knows is transformation."
— Wernher von Braun

METAMORPHOSIS

"To paraphrase Mark Twain, reports of our demise are an exaggeration," says William T. Speck, MD, President and Chief Executive Officer of The Presbyterian Hospital. Granted, Presbyterian did come perilously close to the financial abyss a few years back. But it also rebounded with remarkable speed. In 1995, for example, the Hospital posted a virtually balanced budget, an increase in the number of discharges, a reduction in average length of stay, and a high occupancy rate, to list just a few indices of the institution's stability.

To be sure, there are tremendous challenges ahead, including further erosion of support for academic medicine and a Darwinian race toward market-driven health care.

Still, The Presbyterian Hospital is not facing extinction. It is, however, facing transformation.

Creating a regional integrated network

Presbyterian is in the midst of the most radical metamorphosis in its 128-year history, surpassing even its historic alliance with Columbia University's College of Physicians & Surgeons, a union that created the nation's first medical center. Now, the Hospital is forming a new alliance, a union of tertiary and community hospitals, community-based practices and outpatient facilities, physician networks, home-care agencies, long-term-care facilities, and freestanding diagnostic sites. Importantly, this alliance is not a patchwork quilt of providers, rather a regional integrated health-care network — a continuum of care from checkups and vaccinations to hip replacements and heart transplants. In the tight-fisted era of managed care, this network-in-progress is already an attractive package to third-party payers, both public and private.

But there is more to the story of Presbyterian's metamorphosis. By assembling this network, the Hospital and its multifarious partners intend to create and market a comprehensive and competitive health-insurance product directly to employers and consumers in the metropolitan area. "Profits" from this novel venture will go, not to the insurance "middleman" or to stockholders of a for-profit managed-care entity, but toward graduate medical education, clinical research, and care of the uninsured, maintaining Presbyterian's historic academic and philanthropic missions.

Entering the health-care business

One might legitimately ask: Why is Presbyterian, a world-renowned tertiary-care hospital, behaving like a business, with marketing plans and insurance products? Actually, Presbyterian has little choice. The days of the stand-alone teaching hospital, focused exclusively on research, education, and patient care, are over.

"In the 1950s, the railroad industry found itself at a turning point," explains Dr. Speck. "Many companies failed because they thought they were in the railroad business — moving trains from point A to point B. Those that survived did so because they realized they were in the transportation business — moving people and goods, in other words, providing a service. Similarly, today I see many health-care institutions struggling or even closing because they view themselves as working in the hospital business, as simple providers of care. Only those who recognize that they are in the health-care business will survive. Today, these businesses must provide state-of-the-art care at all levels — primary through tertiary — care that is coordinated and easily accessible, care that is compassionate and sensitive to community needs, and care that is cost-effective and affordable."

It's not surprising that health-care industry watchers thought that Presbyterian would not be among the survivors in the managed-care era. In 1993, the Hospital posted a deficit of $22.5 million. In the following years, revenues fell precipitously as third-party payers

began diverting patients to lower-cost providers. And New York State started revising reimbursement formulas, reducing the monies it gave teaching hospitals to underwrite the considerable cost of graduate medical education and research. Cuts in Medicare and Medicaid posed a substantial threat to Presbyterian, which has a larger percentage of patients in these government programs than any other major teaching hospital in the state. (In 1995 alone, these reductions cost the Hospital $16 million.)

Re-inventing the Hospital

Facing possible extinction, Presbyterian began to transform itself. In three years, it cut operating expenses by $100 million, reducing its deficit to $1.9 million. In the last few years, the Hospital has:

- modernized its inpatient and outpatient billing systems;
- created a state-of-the-art medical information system allowing online access to all laboratory and radiology data;
- begun installing a cost-accounting and physician order entry system;
- organized its hospital-based physicians into a practice organization (the Columbia-Presbyterian Physician Network) and its local community-based primary-care providers into a physician hospital organization;
- expanded its community practice sites in Washington Heights–Inwood;
- established a major practice site in midtown Manhattan (Columbia-Presbyterian/Eastside);
- opened an Office of Managed Care, which to date has negotiated contracts with 19 insurance companies;
- become a provider for and investor in First Option, a provider-owned HMO;
- signed affiliation agreements with community hospitals throughout the tri-state area.

Local integrated networks

The last item in this list of accomplishments — affiliations with community hospitals — is the key to creating a regional integrated network and a marketable insurance product. By the end of 1995, Presbyterian had eight affiliates in Westchester, Rockland, Orange, and Nassau Counties in New York, Bergen County in New Jersey, and Litchfield County in Connecticut. More hospitals are expected to officially join the network in early 1996. "I could see us ending up with 25 to 30 affiliates in the next few years," says Marc Lory, Chief Operating Officer and President of the Regional System at Presbyterian. "In order to have a competitive insurance product, the network has to be of high quality and low cost, with wide geographic distribution. Ultimately, we want to be able to say to an employer, 'We have a hospital or a physician within ten minutes of every one of your employees.'"

It's important to note that the Hospital is not merely amassing a collection of community hospitals and lending them the Presbyterian name. The idea is to create a true regional network that coordinates the activities of a group of local integrated networks — strategically located, low-cost community hospitals with a capacity to deliver after care, home care and long-term care, and a tertiary center with a complement of specialty providers. Although Presbyterian would serve as the main tertiary provider, it would also function as a local network itself, using its community hospital (The Allen Pavilion), its six Ambulatory Care Network Corporation (ACNC) sites and other primary-care practices to manage the health needs of area residents.

A critical feature of the network is that it will be integrated. To contain costs, the network must deliver as much care as possible in the lower-cost facilities, and limit the use of the expensive tertiary facility to high-tech and specialty care that can be found nowhere else. In this scenario, Mr. Lory explains, a patient needing a heart transplant would receive preoperative care and testing in the community hospital near her home, and then undergo the transplant at Presbyterian. Once she

is stabilized, she would return to the local facility for postoperative care and rehabilitation. "The total cost of treatment for the full course of the disease will be less tomorrow that it is today," says Mr. Lory. Revenues would be distributed to all of the providers involved, according to predetermined formulas.

Nine stories

The Presbyterian Hospital is only beginning to explore the possibilities of its affiliations with community hospitals. However, these relationships are already rich and rewarding, as illustrated by the stories on these pages, snapshots of the myriad ways in which a teaching hospital can work hand-in-hand with a community hospital.

At New Milford Hospital in Connecticut, Presbyterian is helping to broaden an outpatient cancer center, which will include opportunities for patients to participate in clinical research trials. Closer to home, in Westchester County, Lawrence Hospital launched a program in teleradiology, allowing the near-instantaneous transmission of images to Presbyterian for expert radiology consultations. Another Westchester affiliate, White Plains Hospital, showed that health care is not all business by bringing a fatally ill Russian girl to the United States for heart surgery, which was performed at Presbyterian's Babies & Children's Hospital. When a heart patient at Valley Hospital in Ridgewood, N.J., took a turn for the worse, cardiologists there called upon their Presbyterian counterparts to ensure that the patient was put on a heart-assist device, a life-saving bridge to a transplant. Doctors at Horton Medical Center in Middletown, N.Y., also called on Presbyterian's expertise to help with a delicate bowel resection and difficult wound-management problem. At Nyack Hospital in Rockland County, the two institutions are drawing up plans for a residency program in pediatrics. At another Rockland affiliate, Helen Hayes Hospital, physicians and researchers from the two institutions cooperated on clinical care and research in pediatric spinal deformities. Joint clinical research is also in progress at St. Francis Hospital in Roslyn, N.Y., where cardiologists are conducting trials to explore factors in the development of heart disease. At affiliate-to-be Holy Name Hospital in Teaneck, N.J., doctors collaborated with Presbyterian physicians to resolve a difficult pain-management case.

Accompanying these stories is a timeline of events that transpired at The Presbyterian Hospital in 1995.

The Possibilities

The Columbia-Presbyterian Regional Integrated Network is still in its formative stages, so predicting its ultimate size and shape is difficult. Indeed, as this report goes to press, The Presbyterian Hospital is holding talks with a number of area hospitals, which could significantly expand the breadth and depth of the Network.

New York's health-care industry as a whole is likely to remain in flux for another five years, according to Marc Lory. "Will all the major academic centers exist at that point?" he asks. "Probably not. We'd like to make sure that we're one of the survivors. With the leadership in place at the Hospital and at the medical school, and with the help of our affiliates, we're confident that will happen."

White Plains Hospital Center

Business As Usual

Above: Her recovery well under way, Victoria Maltseva can sample some Western culture, including smile-inducing M&Ms to warm her now-healthy heart. Opposite page: WCBS-TV reporter Dr. Max Gomez interviews Victoria about her trans-global and trans-affiliate story.

AS THE MILLENNIUM APPROACHES, it is painfully clear that health care is a business. But it is not *all* business, at least not at The Presbyterian Hospital. Despite huge financial challenges, including unprecedented cutbacks in government reimbursements, the Hospital somehow finds the wherewithal each year to deliver millions of dollars of uncompensated care to the poor and uninsured, mostly in the local community.

Nineteen-ninety-five was no different. One notable example was the case of Millie and Lucy, conjoined (Siamese) twins from the Dominican Republic, the second set of such twins the Hospital has treated in three years. Pressed by television's "48 Hours" to justify these million-dollar outlays, Presbyterian Hospital President William Speck, MD, replied, "Society is judged on what it does for the very young and very old, and hospitals should be judged the same way. We're not in the business of taking [in] sick children from around the world who don't have medical care... But if we can provide a unique service ... which is lifesaving, we will do it."

Another notable patient in 1995 was Victoria Maltseva, a five-year-old from Russia with an unusual and deadly congenital heart defect called Tetralogy of Fallot. The condition is treatable through surgery. But in post–Cold War Russia, short of resources and relevant expertise, the young girl's chances of getting help were slim.

Victoria's story begins in Siberia, where Louis Fox, an executive with Gerald Metals, Inc., of Stamford, Conn., was enjoying a swim in Lake Baikal. Chatting with a Russian business associate, Mr. Fox learned of Victoria's plight and promised to help. He contacted his friend and physician, Arnold Abrams, MD, a cardiologist at White Plains Hospital Center. "This defect results in death in early adolescence without surgery," says the doctor. "I was happy to help."

Back in the U.S., Dr. Abrams set things in motion, arranging for free x-rays and other diagnostic tests at White Plains Hospital Center, a 300-bed community hospital in Westchester County, N.Y. Aware that only a handful of surgeons are capable of treating Tetralogy of Fallot, Dr. Abrams sought the help of specialists at White Plains' affiliate, The Presbyterian Hospital. David Solowiejczyk, MD, a pediatric cardiologist, and Jan Quaegebeur, MD, Director of Pediatric Cardiac Surgery at Babies & Children's Hospital, agreed to take the case.

By the time Victoria and her mother arrived in New York in mid-September, everything was in place for the surgery to proceed. To lift her spirits, Victoria was first treated by local merchants to a shopping spree at a mall just a few blocks from White Plains Hospital Center. Among her spoils were a Barbie doll, Lego building blocks, jeans, and slippers. Next, the young girl was evaluated by White Plains' Diagnostic Cardiology Department.

From the tests, it was clear that Victoria's heart was dangerously defective. A classic presentation of Tetralogy of Fallot, there were four major flaws, including an opening between the right and left ventricles and a displaced aorta. All told, the flaws were depriving her body of oxygenated blood, causing fainting spells and shortness of breath. Left untreated, she would probably suffer a crippling stroke. Eventually, her overworked heart would thicken and fail.

Newborns with Tetralogy of Fallot (and other heart defects that rob the blood of oxygen) have a bluish tinge to their skin — hence the term "blue babies." Victoria, too, was colored by her disease. Her skin was ghostly white, her lips and nails tinged with blue.

Early on a crisp mid-September morning, about a dozen doctors, nurses, and technicians in Babies & Children's Hospital prepped for an intricate operation that would last four hours. Dr. Quaegebeur, world-renowned for the repair of Tetralogy of Fallot, was optimistic about the outcome: "It's a big operation, yes. But the chances for having a good result in a child with her anatomy are pretty good."

An hour into the operation, the surgeons stopped Victoria's heart and placed her on a heart-lung machine. Now, the repairs could begin. First, Dr. Quaegebeur closed a quarter-sized hole between the ventricles, sewing a Gore-Tex patch into the gap. Then he expanded the narrowed pulmonary valve outlet, allowing more blood to get to the lungs. Finally, the main artery to the lung was enlarged, using some of Victoria's own tissue. When the heart-lung support was turned off, Victoria's heart jumped to life, powerfully pumping blood through her body. The surgery was a success.

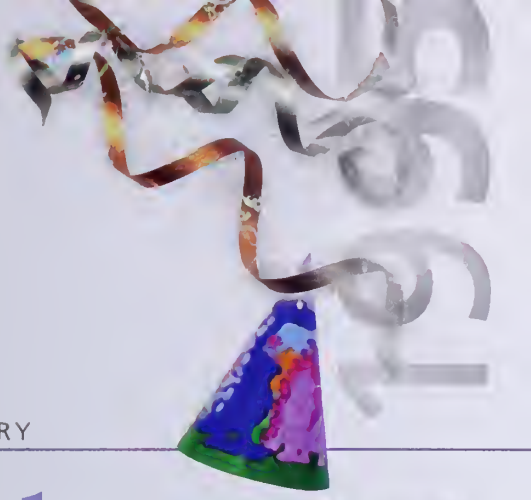
Within a week, Victoria looked like any other five-year-old, pink-cheeked and eager to get outside and play. Through an interpreter, she proclaimed, "I'm the most healthy little girl in the world."

Dr. Quaegebeur expects that she will lead a normal life. She may not be a marathoner, he says, but her heart will be up to almost anything else.

Victoria and her mom returned to Westchester to recuperate at the home of Dr. Abrams, and then to their home in Russia.

At Presbyterian, Dr. Quaegebeur and his team returned to their usual busy O.R. routine.

Business as usual. ■



January

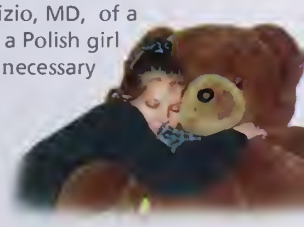
1 Born shortly after midnight, Kevin Thomas Duffy and parents welcome a visit by Mayor Rudolph Giuliani.

9 Physical Plant staff begin a two-year project to repair the Presbyterian Hospital building facade.

18 Lawrence Hospital officially signs on as an affiliate in the Columbia-Presbyterian regional network.

24 Urologists at the Columbia-Presbyterian Prostate Center announce a prostate surgery innovation that quickens patient recovery.

24 CNBC-TV reports on the discovery by cardiologist Linda Addonizio, MD, of a rare vitamin deficiency in a Polish girl that saves her from an unnecessary heart transplant.



25 The Presbyterian Hospital establishes Family Medicine as its 19th Clinical Service.

Virtual Radiology

Above: Susan Cushin, MD, a radiologist at Lawrence Hospital, regularly consults with her counterparts at Presbyterian via teleradiology. Opposite page: Louis Perez, MD, Director of Radiology at Lawrence Hospital.

AS A RESIDENT IN RADIOLOGY at The Presbyterian Hospital, Susan Cushin, MD, was taught to consult with her senior colleagues whenever she had the slightest doubt about a diagnosis. And why not, when some of the country's finest radiologists were in the same department, but a few steps away?

As luck would have it, in August 1995, when Dr. Cushin completed her training at the Hospital (which also included a fellowship in musculoskeletal radiology) and took a position with Lawrence Hospital, she did not have to leave her Presbyterian colleagues far behind.

Thanks to an innovation called teleradiology, Dr. Cushin can consult with her former colleagues as if they were in the next

office. All it takes is a few clicks of a mouse at a computer, and dozens of radiographic images are sent buzzing along special high-capacity phone lines to a terminal at Presbyterian. At the receiving end, a radiologist, frequently Ron Staron, MD, Associate Professor of Clinical Radiology, then calls up the images on a high-resolution monitor, and the two doctors can start discussing the case over the phone. When the conversation ends, Dr. Staron dictates into a tape recorder his notes, which are immediately transcribed and faxed back to Lawrence.

"Previously, getting a consultation from a tertiary institution was very cumbersome and time-consuming," says Louis Perez, MD, Director of Radiology at Lawrence, which is located in Bronxville, a suburb just north of New York City. "It would require making copies of the films, sending them via courier or FedEx, and waiting until they got reviewed. Now, we can transmit a single image in seconds and a whole MRI series in a matter of minutes."

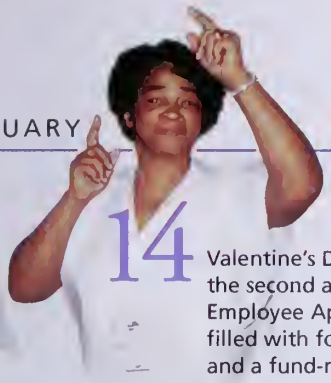
"The turnaround time is remarkable," he adds. "We've had cases where, after consulting with Presbyterian, we had to modify the study or run additional ones. We were able to do them right then, rather than having the patient come for a second visit."

The most important benefit of teleradiology is that, with expert consultation, the local radiologist has a better chance of getting the diagnosis right, or at least "reducing uncertainty," as Dr. Perez puts it. "I can't tell you how valuable that is in the day-to-day practice of radiology. Some in radiology have the attitude that they don't need additional help. However, the philosophy of our department is to get it right all the time, and there's no room for big egos. We virtually practice in each other's back pockets; there's steady traffic of radiologists from one office to another all day long. So it was easy for us to make the next step to work with our colleagues at Presbyterian."

On average, Lawrence radiologists use the system about two to three times a week. Dr. Cushin, who has logged the most teleradiology transmissions from this 280-bed, full-service community hospital, has used these consultations to confirm that growths were harmless cysts and not malignant tumors, and to verify that patients didn't need biopsies, sparing them unnecessary surgery.

As these examples suggest, the second opinions are often

February



14 Valentine's Day means the second annual Employee Appreciation Day, filled with food, dancing, and a fund-raising raffle.

17 ABC-TV's "Evening News with Peter Jennings" features Robert Michler, MD, Director of the Cardiac Transplant Service, as "Person of the Week."

March

1 Marcia C. Morris joins the Hospital as Senior Vice President and Chief Legal Officer.

15 Rogerio A. Lobo, MD, begins serving as the new Director of Obstetrics and Gynecology.

16 City councilmen speak at a Hospital-sponsored community forum on the impact of proposed Medicaid and Medicare cutbacks.

20 Neil Feldstein, MD, Director of Pediatric Neurosurgery, performs brain surgery to remove an Indonesian boy's life-threatening tumor.

World's Most Powerful MRI Nears Completion

Another exciting development in Radiology at The Presbyterian Hospital is the Hilal/Hatch magnetic resonance imager, the most powerful device of its kind in the world. This ultra-high field (5.0 Tesla) device, scheduled for completion in 1996, will literally allow physicians to watch the brain think.

Encased in a 430-ton shield in the basement of the Neurological Institute, the Hilal/Hatch MRI will be able to define the biochemical constituents of human tissue better than any other existing MRI system. The new system will also enable radiologists to obtain the first real-time images of brain function. The images will have four times the resolution of those obtained with conventional MRIs.

Clinical researchers from around Presbyterian are busy planning ways to use the new MRI, which was designed and pioneered by Sadek Hilal, MD, PhD, former Director of Neuroradiology. It is expected that the device will give physicians a better understanding of brain recovery from stroke or trauma, provide earlier and more accurate diagnoses of neurological diseases and psychological disorders, and lead to improved treatments of brain cancer, to name just a few benefits.

employed to corroborate a diagnosis, rather than to solve a riddle. "A lot of the time, it's just hand-holding. But that's important," says Dr. Cushin. "It's nice to have someone else looking over your shoulder. And we learn from these consultations. They help us improve our technique, for example, showing us how to change parameters and sequences to get better imaging."

Most of the radiographic studies that Lawrence transmits are magnetic resonance images, but the system can also transmit CT scans. Ultrasound images will soon be transmissible.

As might be expected, quality control is a major concern. "Test images are sent on a regular basis," reports Philip Alderson, MD, Director of Radiology at Presbyterian, who initiated the teleradiology program. "It's important to know that we have accurate images." The responsibility for quality control belongs

Above: Philip Alderson, MD, Director of Radiology at Presbyterian. Right: At Presbyterian, Ronald Staron, MD, can fulfill Lawrence Hospital's physicians' requests for consultations, virtually in an instant.

to Peter Esser, PhD, Professor of Clinical Radiology at Columbia-Presbyterian, who is the technical expert behind the system.

While Dr. Alderson hopes to expand the system to other affiliates, he recognizes that it will take time to convince them that second opinions from Presbyterian radiologists are worth the start-up investment in the equipment and the ongoing reading fees.

"I believe that every affiliate radiology group could enhance its own marketability by advertising their connection with Presbyterian Hospital," Dr. Alderson believes. "That's something that their local competition cannot offer."

"We're happy with teleradiology and would tell any of the Presbyterian Hospital's other affiliates to take advantage of the service," says Dr. Perez. In fact, he anticipates even closer cooperation between Lawrence and Presbyterian in the near future. "Soon there will be a way to send all the raw data, and Presbyterian will have the facility to manipulate the images as easily as we manipulate them here." ■

March

25 Third-year resident Barry Birch, MD, takes the Primary Examination given by the American Board of Neurological Surgery—and places first nationally.

April

2 CBS-TV's "60 Minutes" features the surgical use of hypothermia, or subnormal body temperatures, in the treatment of aneurysms at Presbyterian.

27 Aretha Franklin performs at the Hospital's annual Gala.

PRESBYTERIAN HOSPITAL

27 More than 300 girls aged 9 to 15 visit The Presbyterian Hospital during "Take Our Daughters to Work Day."

May

3 William T. Speck, MD *(left)*, President and Chief Executive Officer, and Herbert Pardes, MD, Vice President for Health Sciences, Columbia University, inaugurate Columbia-Presbyterian Westside, a satellite facility.

15 Mary B. Dougherty becomes the new Director of Nursing and Associate Director of Patient Care Services at The Allen Pavilion.

Holy Name Hospital

A Saga of Pain, and Relief

Above: Dr. Goodman *(center)* and Dr. Fanciullo *(right)* perform surgery on John Foster at Holy Name Hospital. Opposite page: Pain-free living means a return to joyful celebrations with family and friends for John Foster *(seated, third from left).*

JOHN FOSTER'S SAGA OF PAIN began as a teenager in the early 1950s, when he suffered a near-fatal car accident that left him in a coma, with a broken jaw, fractured skull, broken ribs, and a temporarily paralyzed arm. Though Mr. Foster recovered, he would spend a large part of his adult life wracked by pain, in part because of bad luck and in part because of years of fragmented care at a series of disassociated hospitals. His fortunes finally turned when he found a team of surgeons and pain-management experts from The Presbyterian Hospital and its affiliate-to-be, Holy Name Hospital, in Teaneck, N.J.

The second chapter of Mr. Foster's pain saga began in 1974. While renovating his patio, he lifted a bag of cement, injuring his back and triggering two decades of intermittent, excruciating pain. At a local hospital, near his home in upstate New York, diagnostic tests revealed several herniated discs, and an immediate operation was recommended.

The surgery proved to be a disaster, leaving the patient with unrelenting pain radiating down his leg. A second operation offered no relief. To make matters worse, he suffered nerve damage to his bladder. After a third operation at another hospital, Mr. Foster's pain was finally alleviated, but he was left with a bad limp and a balance problem. "I was a wreck," recalls Mr. Foster, who had to quit a lucrative job as a construction-machinery salesman. "I felt like an old man in the body of a 45-year-old."

After yet one more operation, this one for his urinary problem, Foster enjoyed a decade free of pain. But his bad luck eventually returned. In 1989, his unsteady gait led to a fall on icy steps, which reawakened his back pain, dislocated a knee, and re-injured his shoulder. Several arthroscopic knee operations failed to repair his knee, leading eventually to a total knee replacement in 1991.

Mr. Foster was still in pain from his various injuries. But his luck would begin to turn the following year, when he was referred to doctors at The Presbyterian Hospital. Finally, he would receive coordinated care, which is important for every patient, and vital for someone like Mr. Foster. First, his damaged shoulder was replaced by orthopedic surgeon Louis Bigliani, MD. "The knee and shoulder worked beautifully, but I still had excruciating pain in my back and leg," he remembers.

At Dr. Bigliani's suggestion, he visited Mark Weidenbaum, MD, an orthopedic surgeon at Presbyterian, to see what could be done about his back pain. In collaboration with Robert Goodman, MD, a neurological surgeon, Dr. Weidenbaum fused Mr. Foster's spine and implanted steel rods to stabilize his back.

Not all doctors would have recommended this course of action. "There is the feeling that, after a certain point, pain is something that has to be endured," says Dr. Goodman. "Though we wouldn't say to someone with epilepsy, 'Learn to live with it,' patients are often expected to tolerate pain. Some

doctors are afraid that patients will become addicted to strong medication, or feel that surgery for the purpose of reducing pain is not warranted. The very patients who need relief the most are often undertreated and sentenced to a severely impaired life."

Fortunately, Mr. Foster, now 60, didn't encounter this attitude at Presbyterian. "For the first time in years, I was able to walk well and move around without pain. I was amazed," he says.

Unbelievably, there's another chapter in Mr. Foster's pain saga. In 1993, his car was rammed from behind at a stoplight. "The next morning, it was the same story all over again," says the patient. "I could barely walk, and the pain in my back and leg returned with a vengeance."

Mr. Foster, who lives in Saratoga Springs, N.Y., spent a week in an upstate hospital on morphine, then was sent home with a prescription for pain killers. "After I left the hospital, I was desperate," he says. "The medicine cost a fortune and didn't help. I even tried a few caudal blocks [cortisone injections into the tailbone], but that didn't help, either."

Again, Mr. Foster contacted Presbyterian, and Dr. Goodman, for help. Reluctant to subject his patient to another major operation, he recommended a dorsal column (spinal cord) stimulator, an implantable device that reduces pain by overriding electrical impulses from damaged nerves. Such devices are prescribed for patients who do not respond to medication or physical therapy.

Dr. Goodman regularly performs the implant operation at Presbyterian, but for the patient's convenience he referred him to Holy Name Hospital (slated to join the Columbia-Presbyterian network in 1996). Dr. Goodman didn't think twice about making the referral, since he collaborates frequently with Gilbert Fanciullo, MD, Director of the Pain Management Center at Holy Name and a leading expert in his field. "We work very well together," Dr. Fanciullo says of Dr. Goodman. "It's gratifying to help patients who have run out of options to find relief."

The dorsal column stimulator, implanted in 1995 by Drs. Goodman and Fanciullo, made a great difference. "I take off my hat to these doctors," Mr. Foster says, who despite his travails, remains in remarkable humor. "They are truly in a league by themselves. It's because of them that most of my pain is gone, that I'm active, rather than disabled. They have given my life back to me." ■

MAY

15 At the Women At Risk annual luncheon, Susan Fuirst *(center)*, the program's Chair, welcomes Congresswoman Nita Lowey *(left)*, and *New York Times* columnist Jane E. Brody.

16 Mayor Giuliani honors Presbyterian doctors and nurses, as well as police officers and a transit worker, for saving the life of a four-year-old cardiac arrest victim.

19 ABC-TV correspondent Diane Sawyer visits with patients in the Child Life Center at Babies & Children's Hospital.

23 Robert L. DeLaPaz, MD, joins the Hospital staff as the Director of Neuroradiology.

25 In a program on organ transplantation, CBS-TV's "48 Hours" showcases Presbyterian staff and patients, including the violinist Donald Whyte, a heart recipient.

30 A greatly expanded PH Infant and Child Care Center opens in its new location.

The Valley Hospital

A Change of Heart

"I HATE SNOW!" Frank Jones has good reason to utter these words with such vehemence. Until recently, he worked for the Highway Department of an upstate New York municipality, where, during snowstorms, he plowed and salted roadways around the clock. In fact, this father of three and grandfather of three blames his heart troubles on pushing himself too hard during a recent blizzard.

Mr. Jones is no stranger to heart problems, though. Fifteen years ago, he underwent multiple-bypass surgery. Since that time, however, he consistently received clean bills of health from his doctor, until that recent winter storm when, after an extremely long shift, he experienced the onset of angina. He immediately went to his local hospital, where he subsequently suffered a major heart attack. Because of the gravity of his case, his doctors transferred him to another community hospital, one better able to manage his care — The Valley Hospital, in Ridgewood, N.J.

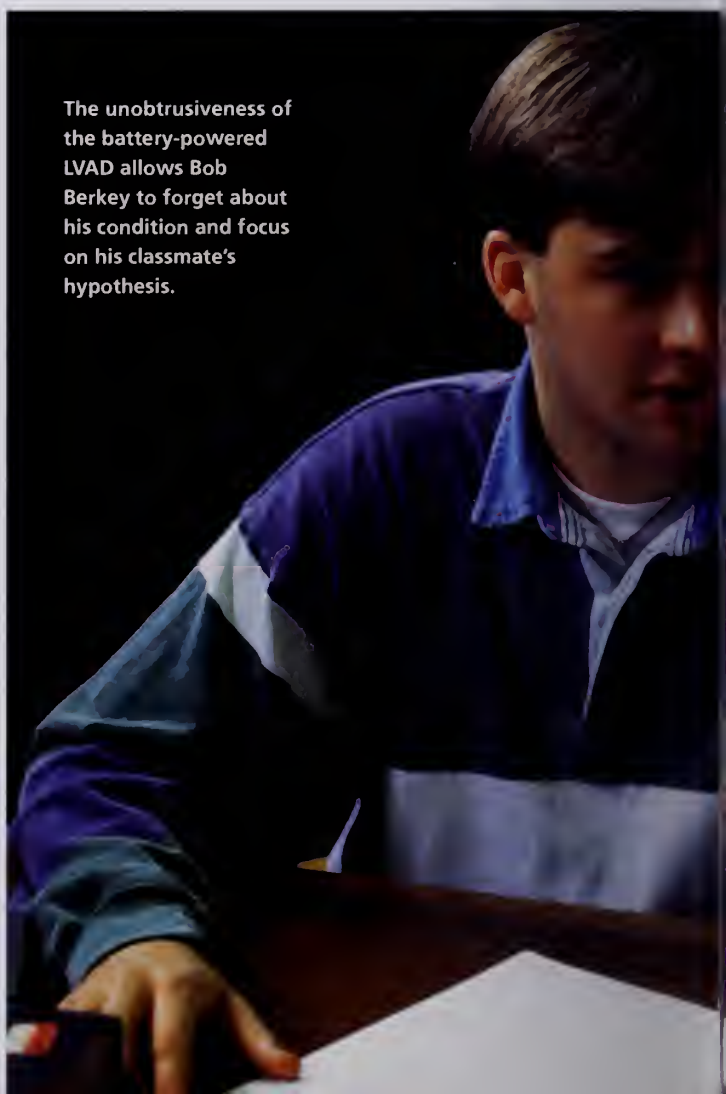
In fact, his condition was so critical that his doctors at Valley decided to transfer him yet again, this time to The Presbyterian Hospital, where doctors knew at once that this case must be serious. It was, after all, a transfer from Valley, whose cardiology program, in addition to its emergency, oncology, obstetrical, and ambulatory care services, is recognized throughout the area for its excellence. This reputation in cardiac care meant only one thing to the doctors at Presbyterian: the patient's life was in immediate danger.

Frank Jones reads the control panel on his LVAD's power-source-on-wheels, as Dr. Oz looks on.

Mehmet Oz, MD, Director of the Mechanical Circulatory Assist Program, examined Mr. Jones shortly after his arrival from Valley. According to Dr. Oz, Mr. Jones had lost virtually all of his heart's pumping function, and his lungs, liver, and kidneys were all failing. With just hours to live and no donor heart available, Mr. Jones was rushed into surgery where Dr. Oz made use of some state-of-the-art technology that is revolutionizing care for patients with end-stage heart disease: the left ventricular assist device, or LVAD (pronounced "EL-vad").

The LVAD is an implantable device that augments the function of the left ventricle, the heart's most critical pumping chamber. The device consists of a pump, an electronic controller, and a power supply. The 1 1/2-pound titanium pump, roughly the size of a man's palm, is implanted in the abdomen. The surgeon connects the pump to the heart at two points, so that blood is diverted from the left ventricle into the pump and then propelled into the aorta. A cable connects the pump to a power source, which remains outside the patient's body. Two versions of power sources for the LVAD are currently in use.

Mr. Jones received the more widely used version, a pneumatically powered system in which the cable is attached to VCR-sized hardware on wheels. Mr. Jones and the other patients on the pneumatically powered LVAD are required to remain in the



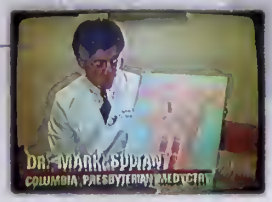
The unobtrusiveness of the battery-powered LVAD allows Bob Berkey to forget about his condition and focus on his classmate's hypothesis.

hospital while they await heart transplants.

The newer version, a battery-powered system — in clinical use at only ten centers throughout the country — is portable and allows patients to live at home while awaiting transplants. These patients carry 1 1/2-pound batteries on waist belts or in underarm harnesses, which are easily concealed under loose-fitting clothing. They have few restrictions on their daily activities. While they cannot swim, showering is permitted, and exercise is encouraged. These LVAD patients are required to stay within two hours of the hospital, however, since a heart can become available for transplantation at any time.

Twenty-year-old Bob Berkey is just one of the patients who are alive today thanks to the battery-powered LVAD. Bob was halfway through final exams at the end of his first year at Clarkson University in upstate New York when he became ill. A diagnosis of cardiomyopathy — a disease that thickens and weakens the heart muscle — precipitated his transfer to

June



2 WNBC-TV's news program "Live at Five" features Mark Sultan, MD, performing innovative breast reconstruction surgery.

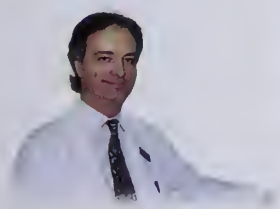
14 Presbyterian trustee Herbert Irving *(right)* presents Dr. Speck with a stock certificate valued at $6 million— the first installment of his $12 million pledge, which will help fund the new Herbert Irving Cancer Center.

16 Housed in the new Ambulatory Care Network Corporation facility on Audubon Avenue, the Urgicare Center officially opens, treating patients with non-emergency, but urgent, medical concerns.

16 Nearly 200 Presbyterian employees are inducted into the 25-Year Club.

July

1 Stephen F. Knoll begins serving Presbyterian as Executive Director of Operating Rooms.



1 Mark V. Sauer, MD, joins Presbyterian as Chief of the Division of Reproductive Endocrinology and Director of the Assisted Reproduction Program.

Presbyterian, where Dr. Oz implanted Bob's LVAD.

Two hours from death prior to surgery, Bob nonetheless recuperated quickly and, within weeks, was able to leave the hospital. Since then, he has taken in Broadway musicals and spent other evenings on the town with his girlfriend while awaiting his transplant. Resuming the active lifestyle he enjoyed before his heart problem, he has been playing tennis — sometimes with Dr. Oz — and working out at the gym regularly. Moreover, so as not to fall behind in his studies, Bob has begun a full-time course load as a visiting student at Columbia University's School of Engineering and Applied Science, living on campus and attending classes with his peers.

The Grammy Award-winning blues guitarist Johnny Copeland is another patient who has benefited from the battery-powered LVAD. He is one of the approximately 60,000 people each year in the United States who develop heart failure that is unresponsive to medical therapy. Few are as fortunate as Mr. Copeland, however, since many die waiting for ever-scarce donor hearts. Since receiving his LVAD, he has continued to play his critically acclaimed blues music in area clubs, including songs from his latest compact disk, "Catch Up with the Blues."

It's hard to believe, but Johnny Copeland, whose blues renditions are bringing down the house, is waiting for a heart transplant.

In fact, Mr. Copeland has been quite pleased with his quality of life on LVAD. He has not found changing his rechargeable batteries every six to eight hours a major inconvenience. (At night he switches his LVAD to a stationary power source so that his sleep is uninterrupted.) In fact, were it not for the restriction on travel, which prohibits him from performing in Europe, Mr. Copeland would consider skipping the transplant and living for the rest of his life on LVAD.

It is just such reactions that make Presbyterian doctors so optimistic about a new controlled clinical trial, scheduled to begin in early 1996. In this trial a new generation of LVAD will be used as a long-term therapy for heart failure, rather than as a temporary bridge to transplantation. Shortly after the U.S. Food and Drug Administration's approval of clinical use of the new device on December 19, 1995, its manufacturer, Thermo Cardiosystems, Inc., announced that the first LVAD implantation in this trial will take place at Presbyterian. This selection should surprise no one since, to date, The Presbyterian Hospital has generated one of the largest experiences in the world with these devices — more than 80 LVAD implantations in men, women, and children (as young as 13 years old).

Surgeon-in-Chief Eric Rose, MD, who is leading the trial, anticipates that heart transplantation and LVAD implantation will be complementary options for patients with congestive heart failure. "This study should help us understand which procedure is appropriate for which patients and why," he says.

Don't expect high school student Kory Boglarski to display the same level of interest in this study that he might have a few months ago. This 16-year-old, too, was implanted with a battery-powered LVAD and was planning to test-run the device while resuming the passion of his life — snowboarding. Something interrupted his plan, however: a donor heart became available. Dr. Oz performed his transplant surgery, which went smoothly. Kory woke up, but the temporary tube down his throat — the norm following such surgery — made him unable to speak. Given a pad to write on, the teen penned his first postoperative

LVAD alumnus and heart recipient Kory Boglarksi can't believe his good luck: "Five feet of snow."

question: "How long before I can go snowboarding?" "Six weeks," his nurse responded.

Weeks later, Kory reflected upon December's events. "My prayers were answered," he said. "I got a new heart and five feet of snow."

The former snowplow driver Frank Jones has a different perspective on the winter weather, although his outlook is changing. In fact, he is confident that he will no longer hate the New York snowstorms once he receives his transplant. Does that mean that he expects his "change of heart" will bring about a "change of heart"?

"No," he responds. "It's just that my wife and I are looking forward to selling our house and moving south!"

Postscript: Shortly before this publication went to press, Bob Berkey and Frank Jones received their new hearts. Both are already making excellent progress. ■

July

4 Young patients observe Independence Day by enjoying the Child Life Program's picnic celebration.

6 Following the FDA's approval of the drug Caverject to treat male impotence, journalists flock to The Allen Pavilion, where clinical trials were conducted.

7 Sister Pat's Kids' Camp in Esopus, New York, begins, providing young cancer patients with some summer fun—under the watchful eyes of Presbyterian staff.

30 *The New York Times Sunday Magazine* features an article, "The Experiments of Dr. Oz," on the investigations at Presbyterian into so-called alternative medicine.

August

10 The first center in New York City devoted exclusively to thyroid disorders—the Thyroid Center—opens, offering unique diagnostic options, such as large-needle biopsies, an accurate test for cancer.

September

5 A part of Presbyterian's community outreach efforts, the George Washington High School Clinic begins meeting the health needs of students.

Horton Medical Center

Whatever's Necessary

BY THE TIME MARY BASTIANO was admitted to Horton Medical Center, in Middletown, N.Y., her patient record had come to resemble a medical textbook. In recent years, this former school teacher, now in her mid-fifties, had undergone a hysterectomy, a leg amputation, a hernia repair, radiation treatment for lymphoma, and antibiotic therapy for a chronic groin infection.

But this time, her symptoms were even more frightening: a seemingly unhealable abdominal wound, oozing undissolved stitches and intestinal matter. The wound was the legacy of a failed hernia repair, in which surgeons at another hospital had implanted a Gore-Tex patch to support the weakened tissue. But repeated abdominal surgeries and the radiation treatment for lymphoma undermined the integrity of her abdominal wall, stalling the healing process. Worse, the patch had perforated her intestine, setting off a raging infection.

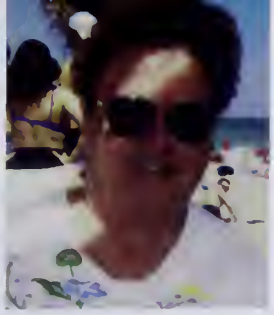
Robert Kulak, MD, Horton's Chief of Surgery, was confident he could repair the damage with a bowel resection, but he was concerned about the wound management and overall postoperative care. If serious complications arose, they might be the last entry in Ms. Bastiano's medical record. To minimize risk, Dr. Kulak decided to call on his colleagues at The Presbyterian Hospital, where virtually every type of medical and surgical expertise is immediately at hand.

"He'd rather have more back-up if something went wrong," recalls Ms. Bastiano. "He wanted more people who knew more about my condition."

At Dr. Kulak's request, the patient was transferred to Presbyterian and referred to Spencer Amory, MD. "Ms. Bastiano needed a general surgeon," recalls Dr. Amory, who in addition to performing surgery on the main campus serves as Director of Surgery at The Allen Pavilion, Presbyterian's community hospital in northern Manhattan. "There was also the potential need for a plastic surgeon to repair the abdominal wall. And she was possibly going to need a vascular surgeon as well."

Before the operation, Dr. Amory called on Mark Sultan, MD, a plastic surgeon, for wound-management advice. "The plastic surgeons here work arm-in-arm with other surgeons daily," says Dr. Sultan. "Very often, there are difficulties in wound healing.

Left: Spencer Amory, MD, Director of Surgery at The Allen Pavilion of The Presbyterian Hospital.
Opposite page, top: Mary Bastiano's full recovery allows her to enjoy life's pleasures, such as visits to the beach.
Opposite page, bottom: With confidence in the aftercare team at Allen, Dr. Amory can focus all of his attention on the surgery at hand.

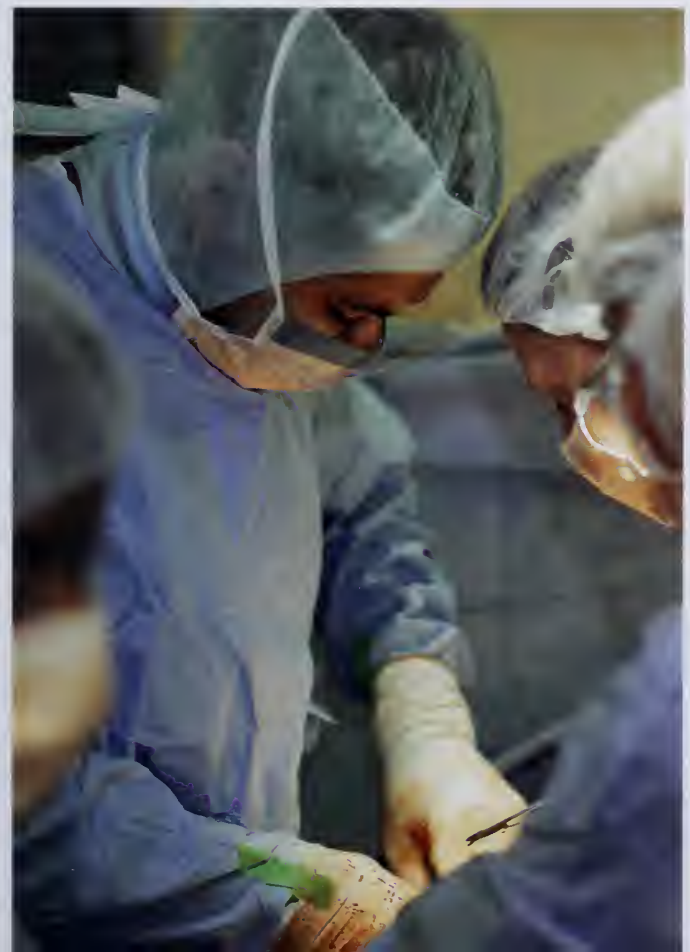


We can offer them advice about how to do a wound closure and where to make an incision."

The concept of team care might frighten some patients, who imagine a stream of strangers indifferently poking and prodding them. But Ms. Bastiano's impression of this approach was just the opposite. "All kinds of people came in and examined me," she remembers of her stay at Presbyterian. "I was really impressed with Dr. Amory. He explained to me and my daughters everything that was happening every step of the way."

In the end, the operation was successful, and the patient had a smooth postoperative course. Plastic surgery, it turned out, was not necessary. After examining Ms. Bastiano, Dr. Sultan decided the wound would heal well without a skin graft. Says the patient, "I'm doing all right" — thanks to the teamwork of three surgeons and two hospitals.

Cases like Ms. Bastiano's confirm Horton's belief in the value of its affiliation with Presbyterian. "We chose to affiliate with The Presbyterian Hospital because of the clinical expertise of the staff," says Norman L. Stein, MD, Horton's Medical Director. "Sometimes it's not the surgery our patient needs that requires transfer, it's the aftercare: the nursing, the ICU — whatever's necessary." ■



September

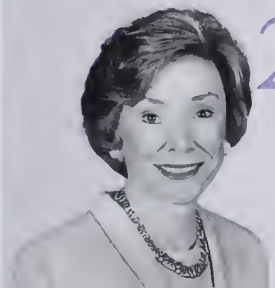
10 A Columbia-Presbyterian/Eastside booth at the Third Avenue Street Festival provides screenings, education, and musical entertainment.

12 New York City's First Lady, Donna Giuliani, cuts the ribbon on the new Starlight Express Room, a multimedia, educational playroom at Babies & Children's Hospital.

15 The family of the late Jo-Ann F. LeBuhn attends the opening of the Jo-Ann F. LeBuhn Center for Chest Disease and Respiratory Failure.

17 Columbia-Presbyterian takes a top prize in the New York Race for the Cure (a breast cancer run/walk) for fielding the largest hospital team—839 people strong.

17 More than 500 people, many of whom started life in the Neonatal Intensive Care Unit (NICU), return to Presbyterian for NICU Alumni Day.



27 Joan Ganz Cooney, originator of "Sesame Street," becomes the newest member of Presbyterian's Board of Trustees.

Nyack Hospital

The Suburban Experience

"To bring up a child in the way he should go, travel that way yourself once in a while."

— Josh Billings

INSPIRED BY THE IDEA that travel is broadening, Babies & Children's Hospital has established a joint residency program at Nyack Hospital in Rockland County. Soon, residents in pediatrics will spend part of their time in training off campus, rotating through Nyack's pediatric unit. The idea behind this "traveling" residency is to expose young doctors to ailments they're likely to see in a primary-care practice, particularly a suburban one. It promises to be quite a contrast to the rest of their residency experience, where the focus is on subspecialty care and urban medicine.

"We have a wonderful training program in pediatrics," explains John Driscoll, MD, Director of Pediatrics at Babies & Children's, but it has tended to emphasize unusual medical conditions and urban woes. "Doctors here are accustomed to treating children with exotic tropical diseases and rare cancers, or with common inner-city problems, such as AIDS, asthma, lead poisoning, tuberculosis, and malnutrition. What Nyack Hospital offers is exposure to the issues of kids raised outside the city, who present a very different set of medical needs."

At Nyack, residents will be able to add more ordinary complaints to their repertoire of diagnoses, including appendicitis, croup, Lyme disease, and dehydration. They will also get a much wider experience in dealing with trauma.

As Dr. Driscoll notes, "We'll take our budding pediatricians and show them what they might expect to see in private practice. More and more doctors are choosing primary care as a career. This experience may also open practice opportunities."

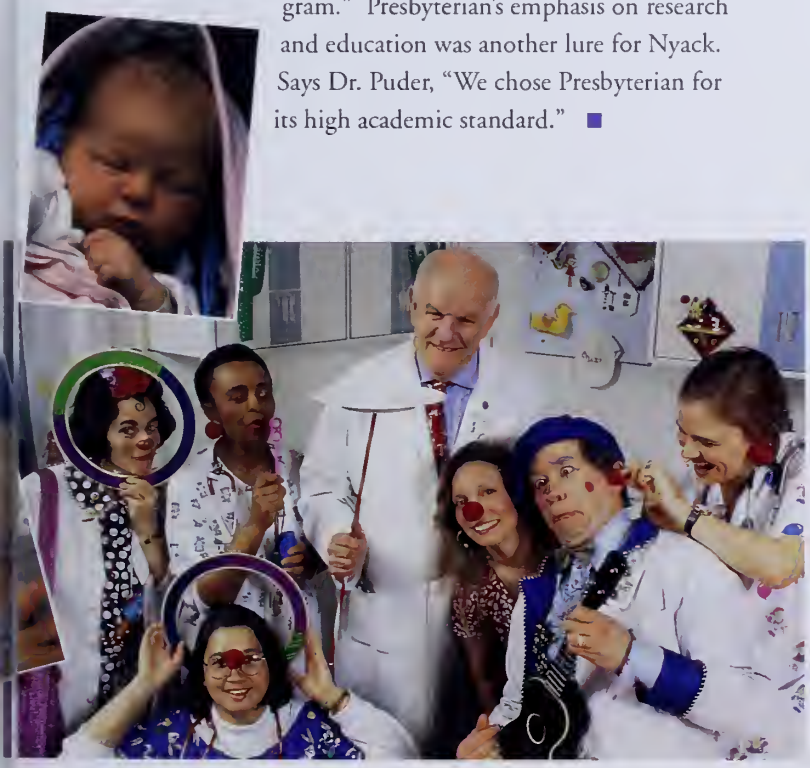
Left: Dr. Douglas Puder, Director of Pediatrics at Nyack Hospital, welcomes both Presbyterian's new residency program and the smiles of his happy patients.
Right: The Clown Care Unit at Presbyterian enlists the assistance of Dr. John Driscoll *(center)*, Director of Pediatrics, and four pediatric nurses. Such light-hearted care is being studied at Presbyterian to evaluate the capacity of clowns — these from the Big Apple Circus — to aid in the healing process — just one of the research projects at Babies & Children's.

Nyack Hospital's Director of Pediatrics, Douglas Puder, MD, concurs. "We're offering Babies & Children's residents the ability to diagnose and treat 'Level II' patients, a group that encompasses all but the most critically ill or injured. It's more like what they'll see in a regular practice," he says.

The Nyack experience promises to be quite diverse. With 2,000 annual births, 30 pediatric inpatient beds, and a Level II neonatal unit, Nyack is itself a regional referral center for Rockland and Orange Counties. "Our typical admissions are for diabetes, asthma, febrile seizures, bronchiolitis, and pneumonia," says Dr. Puder.

In contrast, back at Babies & Children's Hospital, the emphasis is on children with severe congenital heart defects, brain tumors, or spinal deformities, or on extremely small preemies in the neonatal intensive care unit.

Importantly, Nyack also stands to gain from its association with Presbyterian. Earlier, this community hospital was affiliated with a different residency program, which sent trainees from three separate institutions for rotations through Nyack. "Our arrangement with Presbyterian is much more cohesive," says Dr. Puder. "Now, we'll have all of our residents from a single program." Presbyterian's emphasis on research and education was another lure for Nyack. Says Dr. Puder, "We chose Presbyterian for its high academic standard." ■



September

27 Presbyterian dermatologists announce that they are conducting final clinical trials of an injectable gel to treat skin cancer.

October

1 A new flower shop and an expanded gift shop open in the lobby of the Milstein Hospital Building.

2 Stanley Chang, MD, is appointed Director of Ophthalmology.

2 John F. Ennever, PhD, MD, assumes his new position as Medical Director of the Ambulatory Care Network Corporation.

8 In the tradition of Presbyterian service around the globe, 60 Presbyterian volunteers travel to Guatemala to treat those most in need of cardiac care.

GUATEMALA

10 Michael A. Weiner, MD, accepts an invitation to become the Hospital's Director of Pediatric Oncology.

Helen Hayes Hospital

Teamwork: The Backbone of Good Care

WHEN HOSPITAL LEADERS BEGAN TOUTING the benefits of affiliations, David Roye, MD, needed no convincing. Back in the mid-1970s, as a new resident in orthopedics at The Presbyterian Hospital, Dr. Roye's first rotation was at Helen Hayes Hospital, a regional hospital specializing in medical rehabilitation, located in West Haverstraw, N.Y. The experience helped to shape the rest of his career, leading eventually to his current post as Chief of Pediatric Orthopedics at Babies & Children's Hospital. A faithful "alumnus," he maintains close ties to Helen Hayes, demonstrating time and again how institutions large and small can work together for the benefit of patients.

Consider the case of Charlie Cowan, a nine-year-old boy from Orange County, N.Y., who suffers from muscular dystro-

Charlie Cowan receives much of his ongoing care from Dr. Laura Forese, Chief of Orthopedic Surgery at Helen Hayes Hospital.

phy. Charlie has a relatively rare, congenital form of the disease. Although it progresses more slowly than other varieties of muscular dystrophy, it also appears earlier, posing specific problems. In Charlie's case, his early muscular weakness led to scoliosis, which is characterized by lateral curvature of the spine. Because Charlie was still growing, there were no definitive solutions to his back problem, reports his physician Laura Forese, MD, Chief of Orthopedic Surgery at Helen Hayes. In consultation with Dr. Roye, who is world-renowned for his expertise in the repair of spinal deformities, she decided to manage Charlie's scoliosis nonsurgically for as long as possible. "We knew that eventually Charlie would need surgery," she says.

In the meantime, Charlie was in capable hands. Physicians at Helen Hayes' Muscular Dystrophy Clinic managed his medical needs, while Dr. Forese managed his orthopedic needs. She fitted him with braces, both for his legs to help him walk and for his spine to control its curvature. As he got older, the braces were adjusted to accommodate his growth. However, as predicted, his condition continued to degenerate, and surgery became necessary.

Once again, Dr. Forese called in Dr. Roye, not only for his knowledge and skill, but also for his ties to Babies & Children's Hospital. "Muscular dystrophy is quite individualized; different patients can experience very different problems," she explains. "In Charlie's case, in addition to muscular weakness, he has a number of lung function issues, which make surgery for him anything but routine." Thus, Babies & Children's — whose staff includes pediatric anesthesiologists experienced in even rare cases such as Charlie's — was the obvious choice.

Well acquainted with Charlie's condition, Dr. Roye already had a surgical strategy in hand. "If Charlie were older, I probably would have recommended fusing his spine," he explains. "But Charlie still has a lot of growing ahead of him, and that procedure, if performed now, would give him a very short spine for

The circle complete, today Dr. David Roye *(left)* provides guidance to up-and-coming residents who are developing *their* thoughts about future careers.

October

23 In a major speech she delivers at Babies & Children's Hospital, First Lady Hillary Rodham Clinton denounces Republican proposals to scale back Medicaid and Medicare.

24 The United Hospital Fund awards a grant to Presbyterian for use in expanding the Interpreter Corps, which assists non-English-speaking patients.

24 New Milford Hospital officially signs on as an affiliate in the Columbia-Presbyterian regional network.

31 Approximately 500 children of Columbia-Presbyterian employees enjoy a fun and safe Hospital-sponsored Halloween party.

November

2 Presbyterian begins offering premium guest rooms, located in the McKeen Pavilion, to the relatives and friends of patients.

8 The Valley Hospital officially signs on as an affiliate in the Columbia-Presbyterian regional network.

life." Instead, Dr. Roye opted for a solution that would allow Charlie to grow as normally as possible. The strategy was a delicate procedure to straighten Charlie's spine without damaging his spinal cord, followed by implantation of a "growing rod" to keep the backbone properly aligned. "The term 'growing rod' is somewhat of a misnomer, actually," says Dr. Roye. "The rod doesn't change size, but it does permit the patient to grow."

Charlie's surgery went well. After a short stay in the pediatric intensive care unit at Babies & Children's, he started rehabilitation, most of which took place back at Helen Hayes, Presbyterian's longest-standing affiliate.

"The Presbyterian Hospital has an excellent Rehabilitation Medicine Department," explains Dr. Roye, "but for some patients, rehabilitation needs are better met at Helen Hayes. For example, it's much more convenient for Charlie's family to get to Helen Hayes than to Columbia-Presbyterian. Helen Hayes also offers features like a therapeutic pool that aren't available here."

Charlie will continue to receive regular care at Helen Hayes, where Dr. Forese will monitor his condition. Both she and Dr. Roye anticipate that Charlie will need additional orthopedic surgery. "His growing rod is not permanent," says Dr. Roye. "It's not strong enough to support his spine for life. So when he is older, I'll remove it and restraighten his spine as much as possible. Then, I'll fuse the spine — no longer a problem since he will be more fully grown — and I'll implant a permanent rod, which will supplement the fusion."

Dr. Roye is pleased to be able to offer patients like Charlie the latest treatment options, but he is also optimistic that even better options can be found. This attitude explains why his commitment to pediatric orthopedics extends beyond clinical care and into research. Not surprisingly, his research, like his clinical care, frequently draws upon his decades-old ties with Helen Hayes.

In a recent project, Dr. Roye collaborated with two Helen Hayes researchers, Van Cochran, MD, Chief of the Orthopaedic Engineering & Research Center, and Mark Otter, PhD, a bioengineer, to evaluate a flexible artificial ligament, made of Dacron polyester, for use in spinal reconstruction. "Using rigid materials to fix the spine in a set position poses the kinds of problems that young Charlie faced," explains Dr. Roye. "Not only can they leave a child with a trunk that is too short, they can also lead to spinal deformities that are worse than the ones the child started with. So, in our research, we are trying to find an artificial ligament that would permit a child to grow normally."

At Helen Hayes' Orthopedic Research Laboratory, the three researchers conducted stress tests in order to determine whether the Dacron ligaments have better biomechanical properties than existing materials. The results will not be published until sometime in 1996. But Dr. Roye will say that the artificial ligaments did "restrict motion without being too rigid."

"Of course," he adds, "since ligaments are only one part of the spine, this research is just one piece in the bigger puzzle of finding better methods to treat spinal deformities. But we hope it will help lead to some long-term solutions." ■

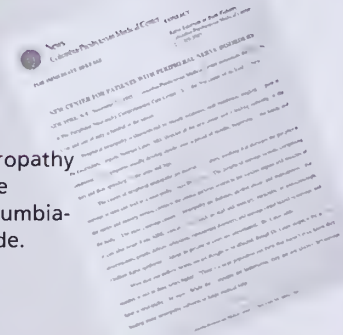
Left: Rods surgically implanted to correct spinal curvature offer patients like Charlie Cowan significant improvement in quality of life.
Below: In addition to treating scoliosis patients, Dr. Roye can check a patient's leg-lengthening hardware and make him laugh at the same time.

November

9 Former patients with their relatives and friends are joined by Pediatric Intensive Care Unit (PICU) nurses, support staff and physicians, including Howard Zucker, MD *(left)*, the Unit's Director, at the annual PICU reunion.

13 At the annual American Heart Association meeting, Milton Packer, MD, Chief of Circulatory Physiology, reports on the success of a drug, carvedilol, in reducing mortality.

13 WCBS-TV begins a three-part report on the surgery at Presbyterian to separate conjoined twins Lucy and Millie Castillo.



21 The Peripheral Neuropathy Comprehensive Care Center opens at Columbia-Presbyterian /Eastside.

23 Nurses, social workers and other staff from the Neonatal Intensive Care Unit donate food for the needy families of two patients, giving them something else for which to be thankful.

29 In its report on the FDA's approval of the osteoporosis drug Fosamax, "NBC Nightly News" interviews Ethel Siris, MD, who led clinical trials of the drug at Presbyterian.

St. Francis Hospital, The Heart Center

Research : A Two-Way Street

As New York State's only cardiac specialty hospital, St. Francis Hospital, in Roslyn, handles the second-highest volume of heart patients of any hospital in the United States. Such credentials make St. Francis a most unusual member within Columbia-Presbyterian's regional network — an affiliation that offers, among other benefits, unique opportunities for collaborative research.

At Presbyterian, John Schlatterer performs a test to measure one type of protein that is carried in fat particles.

For example, when Steven Shea, MD, and his co-investigators in the "Biomarker Study" at Presbyterian required more participants, they enlisted the assistance of colleagues at St. Francis. "One of the things we're hoping to learn more about in this study is the impact of several newly mapped genes on the development of heart disease," explains one of the investigators, Henry Ginsberg, MD, who is Director of the Irving Center for Clinical Research at Presbyterian. "Naturally, when we needed to recruit patients with a history of coronary disease, we went to the affiliate that would no doubt have a wealth of candidates."

Dr. Ginsberg felt especially comfortable contacting Yadon Arad, MD, Director of Preventive Cardiology at St. Francis, since he had served as Dr. Arad's mentor during his fellowship at Presbyterian. "We have a history of working very well together," confirms Dr. Arad.

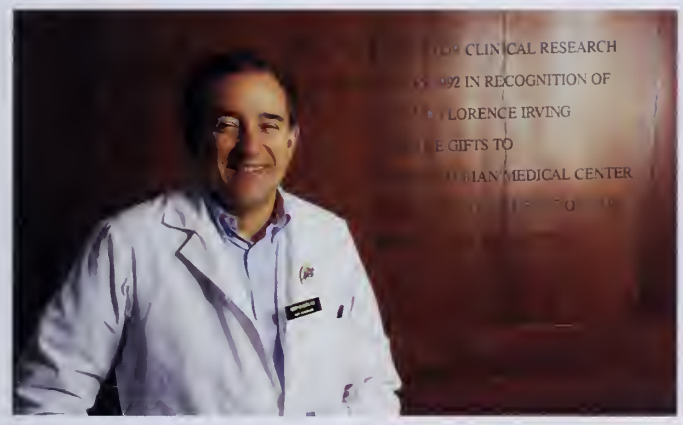
With St. Francis' help, Dr. Ginsberg expects to recruit a total of 400 families, some with a parent who has a history of heart disease, others with no such history (the control group). The focus will be on the children and young adults (ages four through 20), who will be examined to determine the role of various factors in the development of heart disease. These include lifestyle factors (exercise, diet, and smoking) and genetic factors (genes that may be related to heart disease).

In addition, these youngsters will receive a high-fat milk shake and then be tested to

determine how quickly they metabolize fat. "If the fat stays in their system a long time, they may be more likely to encounter coronary problems in the future," hypothesizes Lars Berglund, MD, PhD, a Presbyterian researcher involved in the study.

Although the results will not be known for years, the test subjects will benefit immediately, having learned more information about diet and exercise and about their particular health risks.

Collaborative research involving the two institutions is by no means a one-way street. In a trial being conducted at St. Francis, Dr. Arad has called upon Dr. Ginsberg for some technological assistance. In this study, the researchers are looking at the connection between levels of fat in the blood and the dangerous buildup of calcium in the arteries. First, they will screen approximately 3,000 people at St. Francis, using an ultra-fast CT scan to identify coronary calcification. Then, blood from these patients will be analyzed at Presbyterian to identify and measure different kinds of lipids (fats or fat-like substances, such as cholesterol), as well as to quantify the proteins that are carried in fat



Henry Ginsberg, MD, Director of the Irving Center for Clinical Research at Presbyterian.

particles. This blood analysis requires highly sensitive laboratory technology that is not universally available.

At St. Francis, nearly one-third of the test subjects will be involved in a second part of the study, which will measure the effects of a combined therapy — antioxidant supplements, such as vitamin C and beta-carotene, plus a new cholesterol-controlling drug — on the prevention of cardiac events.

Although new treatments have traditionally originated in university hospitals and then spread to community hospitals, this pattern is not set in stone. Sometimes, the best way to a goal is along a two-way street. ■

DECEMBER

5 On NBC's "Today" show, kidney donor Susan Kearns Benner and recipient Bennett Scott talk about their transplant surgery—a result of their meeting at their 33rd class reunion.

15 The first patient is seen in the new, multispecialty Herbert Irving Cancer Center.

18 Margaret Wood, MD, is named Director of Anesthesiology, becoming the first woman to head a clinical service at Presbyterian.

18 The 800th heart transplant in Presbyterian's history is performed—a total that may be a national, if not global, record.

25 Santa Claus brings gifts to all the boys and girls in Babies & Children's Hospital.

31 Eduardo Constantino, MD, is interviewed on Fox's "Good Day New York" about the condition known as seasonal affective disorder.

New Milford Hospital

Is Outreach The Cancer Answer?

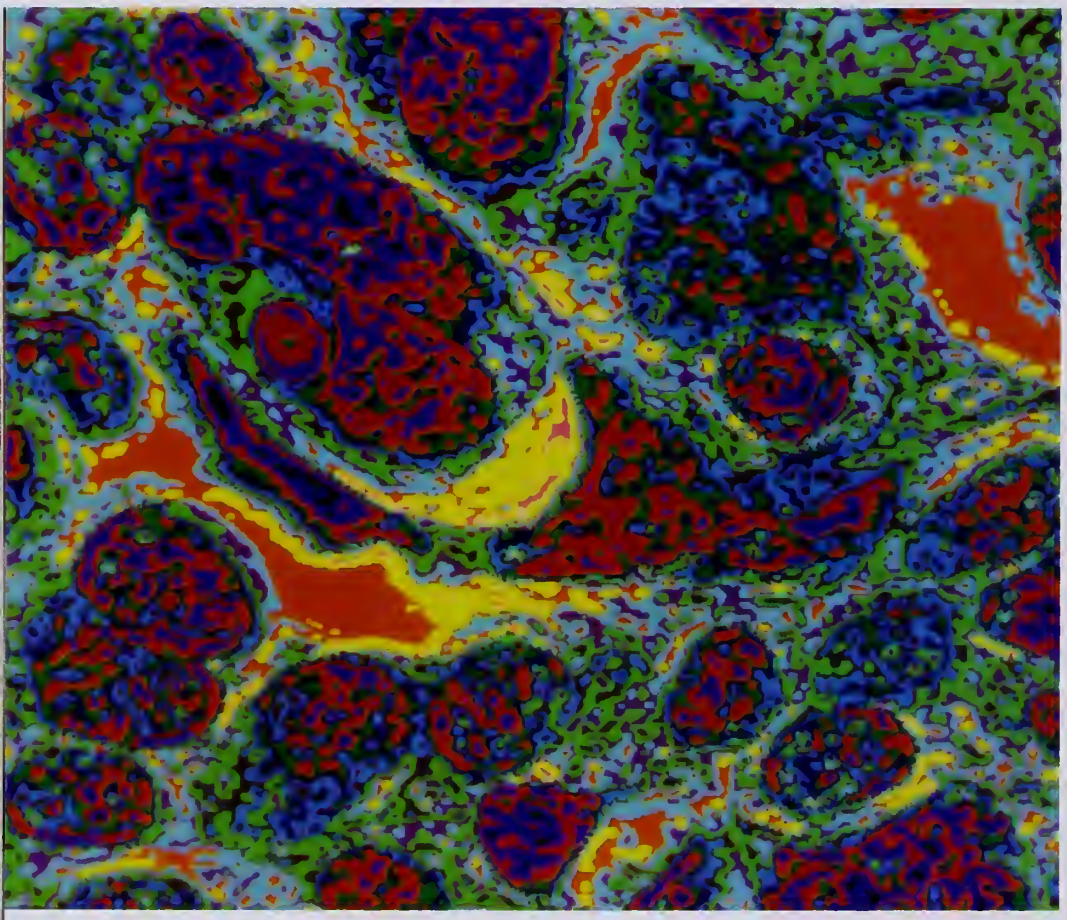
"FOR SOME TYPES OF CANCER, even the best options have offered little hope. National statistics show that patients with pancreatic cancer, for example, have less than a five percent chance of survival," says Presbyterian's Chief of Medical Oncology, Karen Antman, MD. This grim reality is compounded by expectations that cancer will supplant heart disease as the number one killer in the United States by the year 2005.

Small wonder that The Presbyterian Hospital has placed great emphasis on addressing this urgent national health issue. The Herbert Irving Cancer Center — the new comprehensive, multi-specialty, diagnostic and treatment outpatient facility — is but one important sign of this commitment. Equally strategic in the battle against cancer, however, is the burgeoning affiliation network, whose coordinated team approach and broad patient base may be the keys to combating this health scourge.

Joining that network this year was New Milford Hospital. The staff of this Litchfield County, Conn., facility are enormously enthusiastic about their ability to offer residents of New Milford and the surrounding area a level of care not commonly available in a community hospital. They have even renamed their cancer-care facilities to reflect their commitment: "The Columbia-Presbyterian Affiliated Oncology Center at New Milford Hospital."

One of the options that have become available to these Connecticut residents is bone marrow transplantation. Through Presbyterian's bone marrow program, whose annual growth rate of 30 percent makes it one of the Hospital's most rapidly expanding treatment plans, these patients will receive pre- and post-transplant care at New Milford and travel to Presbyterian for the transplant procedure. Another program available to patients is Presbyterian's state-of-the-art cancer genetics program, which provides confidential counseling as well as gene therapy for common cancers of the brain, breast, and ovaries.

The affiliation also offers New Milford patients immediate access to the treatments as they become available. "Oncology is a discipline in which we are always on the cutting edge, always exploring something new," says Linda DeMarco, MD, FACP, at New Milford. "It is exciting to be able to offer our patients innovative and better therapies — especially for the kinds of cancer we most frequently see in our community: breast, lung, prostate, and colon."



Above: The surprising beauty of these ovarian cancer cells belies their destructive power.
Opposite page, top: Dr. Linda DeMarco provides her compassionate care to patients at New Milford Hospital.
Opposite page, bottom: Karen Antman, MD, Chief of Medical Oncology at Presbyterian.

In addition, patients will have the opportunity to participate in clinical trials at their local hospital. "Here at Presbyterian, while we can't treat every cancer patient, we can certainly provide studies of new innovative treatments," says Dr. Antman. "Right now, we can offer our colleagues at New Milford a variety of such studies."

Broadening the scope of cancer research through a greater patient base has numerous benefits. In addition to patients' gaining access to treatment options that would otherwise be unavailable, the larger database offers researchers greater opportunities to determine the efficacies of different treatments. Moreover, since Presbyterian and New Milford patients come from different geographic areas, and frequently from different ethnic backgrounds and lifestyles, researchers can better ascertain whether such factors play a role in the incidence of a given cancer or in its treatment.

There will also be important educational benefits made possible by the affiliation. "You don't manage a cancer patient by yourself," Dr. Antman says. "Chemotherapy. Surgery. Radiotherapy. Pathology. It's critical that these disciplines work together. That is one of the goals of tumor boards." Whether they take place at Presbyterian or New Milford, these boards — learning experiences in which previous and current cancer cases are reviewed — will now benefit from the participation of oncologists from both institutions.

Other beneficiaries of educational opportunities include New Milford's nurses, who have already started receiving training at Presbyterian for the administration of chemotherapy.

Even with all of these joint programs under way, still others are on the horizon. For example, New Milford is currently exploring the possibilities of creating a radiation oncology center, which would be staffed by radiation oncologists from Presbyterian. Although there are regulatory obstacles, the establishment of such a center may prove to be another important part of the long-term cancer answer. ■

...While at the same time, other work was done at Presbyterian, including:

5,133 babies were delivered,

52,717 inpatients were treated,

567,774 outpatients were seen for clinic, urgent, or emergency care,

82 heart, **21** lung, *and* **2** heart-lung transplants were performed,

243,969 x-rays were taken,

2,406,470 lab tests were conducted,

149,500 social work visits were made,

6,200,000 pieces of mail were processed,

1,800,000 medical instruments were sterilized,

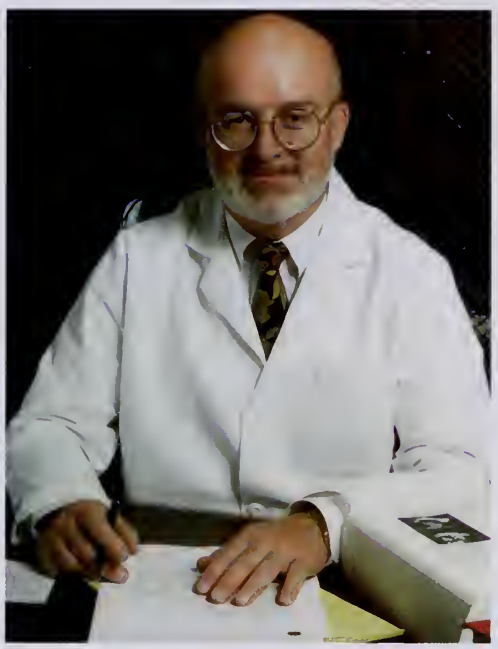
750,000 meals were served to patients,

9,000,000 pounds of laundry were washed...

In sum, 7,894 Presbyterian employees contributed to fulfilling the Hospital's mission: achieving excellence in clinical care, education, and research.

To paraphrase many an American President, the state of The Presbyterian Hospital is sound.

Despite multi-million dollar budget deficits in years past (more than $50 million as recently as 1992), the Hospital managed to cut its 1995 operating losses to less than $2 million. Remarkably, this was achieved in the face of unanticipated cuts in state and federal funding for health care totaling $16 million.



Dr. William T. Speck

Credit goes to better management and to increased clinical activity. Salaries, wages, and benefits rose slightly last year, as expected, but virtually all other expenses were held constant, and bad debts were reduced. On the other side of the ledger, the numbers were encouraging, with total revenues up about 1 percent. Clearly, Presbyterian's metamorphosis from a stand-alone tertiary-care facility into a regional integrated network is already beginning to pay dividends.

On the inpatient side, total discharges held steady and overall occupancy remained high (at almost 86 percent) — healthy signs in an outpatient-centric health-care industry. While the case mix index went up, the average length-of-stay went down (from 7.76 to 7.08), a noteworthy accomplishment. In other words, the average patient was more critically ill but was discharged in less time, compared to the previous year. The reduction in length-of-stay is particularly important in keeping hospital costs in check and attracting managed-care contracts.

Total outpatient visits grew substantially during the year, up 6 percent to just over 981,000. Last year witnessed increases in visits to doctors' private offices (9 percent) and in ambulatory procedures (11 percent). In contrast, emergency room visits dropped 20 percent, reflecting continued success in appropriately diverting patients to the Hospital's ambulatory care centers and to the new UrgiCare Center.

While these figures are encouraging, there are major concerns ahead, including further cuts in Medicare and Medicaid funding at both the state and national level. Governor Pataki has proposed sweeping changes in the way New York State finances health care, changes that would promote competition, reduce excessive regulation, and slash funding for graduate medical education, capital construction, and care of the uninsured. These cuts could cost Presbyterian tens of millions of dollars.

The accelerating trend toward managed care and a market-based health-care economy is another threat to Presbyterian and other teaching hospitals. Competition for patients is certain to weed out the unhealthiest institutions and to precipitate mergers and consolidations throughout the tri-state area.

"Our challenge is to emerge as a cost-competitive provider while maintaining our full commitment to the academic enterprise," says William T. Speck, MD, President and Chief Executive Officer of The Presbyterian Hospital.

As described in the frontispiece of this report, the Hospital has anticipated these changes on a number of fronts and is well on its way toward achieving this goal.

	Year Ended December 31 (in thousands)	
	1995	1994
REVENUE		
Net patient service revenue and other operating revenue	$747,806	$738,473
EXPENSES		
Salaries, wages, and benefits	430,678	413,163
Supplies and expenses	171,286	171,252
Insurance	29,754	30,677
Depreciation and amortization	49,490	51,697
Interest	40,161	40,830
Bad debts	28,384	33,337
Total Expenses	749,753	740,956
Excess of expenses over revenue	($1,947)	($2,483)

INPATIENT STATISTICS			1995			1994
	Total	Adult	Newborn	Total	Adult	Newborn
Average bed complement	1,115	1,059	56	1,280	1,205	75
Patient days	372,974	357,730	15,244	414,112	396,641	17,471
Discharges	52,717	47,584	5,133	53,374	47,809	5,565
Average length of stay (discharges)	7.08	7.52	2.97	7.76	8.29	3.14

OUTPATIENT STATISTICS	1995	1994
Number of visits (clinic, urgent care, & emergency):		
Medicaid	356,655	323,314
Medicare	58,322	58,722
Personnel & dependents	23,873	27,703
Other	128,924	136,540
Total	567,774	546,279
Total clinic visits	469,003	442,959
Total urgent care visits	12,197	--
Total emergency visits	86,574	103,320
Doctors' private office visits	413,695	379,379
Total	981,469	925,658
Ambulatory surgery procedures	18,068	16,644

A copy of the last financial report filed with the Department of State may be obtained by writing to New York State, Department of State, Office of Charities Registration, Albany, N.Y. 12231 or the Finance Department, The Presbyterian Hospital, Columbia-Presbyterian Medical Center, New York, N.Y. 10032-3784.

Trustees

Officers

Seymour Milstein
Chairman

Daniel B. Burke
Vice Chairman

David I. Margolis
Vice Chairman

Arthur F. Ryan
Vice Chairman

Sidney J. Weinberg, Jr.
Vice Chairman

William T. Speck, M.D.
President

John J. Mack
Vice President

Gordon B. Pattee
Vice President

*Marcia C. Morris, Esq.
Secretary

*Harold H. Hogstrom
Treasurer

Howard L. Clark, Sr.
Honorary Chairman

Augustus C. Long
Thomas H. Choate
Chairmen Emeriti

Mark Andrews
Edward H. Auchincloss
Robert H. B. Baldwin
Donald Boudreau
Thomas L. Chrystie
James M. Clark
Mrs. Jean Clark
Joan Ganz Cooney
*Darlene L. Cox, R.N., M.S.N.
Mrs. John W. Espy
Mrs. Harry S. W. Fowler
David A. George
Harvey Golub
Arthur J. Hedge, Jr.
Henry H. Henley, Jr.
James B. Hurlock
*Allen I. Hyman, M.D.
Herbert Irving
Robert L. James
*Richard R. Kearns
Lydia E. Kess, Esq.
William F. Laporte
*Richard U. Levine, M.D.
Mrs. Rochelle Lazarus
*Marc H. Lory
William F. May
Paul Milstein
*Herbert Pardes, M.D.
Michael S. Pritula
*Peter Puchner, M.D.
*George Rupp, Ph.D.
*Michael Shelanski, M.D.
Howard Stringer

Honorary Trustees

George S. Dillon
Mrs. Edward H. Gerry
James W. Foley
Augustus C. Long
Rev. J. Barrie Shepherd
(1st Presbyterian Church)
Rev. Alan Thomson
(2nd Presbyterian Church)
Robert Winthrop

*Ex Officio

Administrative Staff

William T. Speck, M.D.
President and Chief Executive Officer

Harold P. Hogstrom
Executive Vice President, Chief Financial Officer and Treasurer

Marc H. Lory
Executive Vice President, Chief Operating Officer and President, Regional System

Darlene L. Cox, R.N., M.S.N.
Chief Nursing Officer and Director of Patient Services

Allen I. Hyman, M.D.
Chief of Staff and Medical Director

Richard R. Kearns
Senior Vice President and Chief Development Officer

Marcia C. Morris, Esq.
Senior Vice President and Chief Legal Officer

Cesar A. Perales
Senior Vice President for Community Health Services and President, Ambulatory Care Network Corporation

Laureen S. Nowakowski
Director, Office of the President

Michael Bruno
Senior Vice President for Finance

Mark L. Andersen
Vice President for Management Systems and Technology

Elaine Berg
Vice President and Executive Director-The Allen Pavilion

Ben Fernandez
Vice President for Human Resources

Thomas Feuerstein
Vice President for Patient Financial Services

Kathleen Galvin
Vice President for Managed Care

Richard Greene, M.D., Ph.D.
Associate Chief of Staff for Clinical Resource Management

Stephen F. Knoll
Executive Director of Operating Rooms

Kevin McAdam
Vice President for Patient Support Services

Susan Parker
Vice President for Public Relations

Caryn A. Schwab
Vice President and Executive Director-Babies & Children's Hospital/Sloane Hospital for Women

Susan Spear, M.D.
Associate Chief of Staff

Michael R. Stein
Vice President for Development

Martha Wolfgang
Vice President for Regional System Development

Directors Of Service

Philip O. Alderson, M.D.
Radiology

David R. Bickers, M.D.
Dermatology

Stanley Chang, M.D.
Ophthalmology

Lanny Close, M.D.
Otolaryngology

Harold M. Dick, M.D.
Orthopedic Surgery

John M. Driscoll, Jr., M.D.
Pediatrics

James S. Lieberman, M.D.
Rehabilitation Medicine

Rogerio Lobo, M.D.
Obstetrics & Gynecology

Carl A. Olsson, M.D.
Urology

Herbert Pardes, M.D.
Psychiatry

Eric A. Rose, M.D.
Surgery

Steven M. Roser, M.D., D.M.D.
Dental & Oral Surgery

Lewis P. Rowland, M.D.
Neurology

Peter Schiff, M.D.
Radiation Oncology

Michael L. Shelanski, M.D.
Pathology

Bennett Stein, M.D.
Neurological Surgery

Christopher M. Wang, M.D.
Family Medicine

Myron Weisfeldt, M.D.
Medicine

Margaret Wood, M.D.
Anesthesiology

Consultants

Joseph A. Buda, M.D.
Surgery

George A. Carden, M.D.
Medicine

Robert E. Carroll, M.D.
Orthopedic Surgery

Solomon Jay Cohen, M.D.
Pediatrics

Kent Ellis, M.D.
Radiology

M. Irene Ferrer, M.D.
Medicine

Carl R. Feind, M.D.
Surgery

Selwyn Z. Freed, M.D.
Urology

Lothar Gidro-Frank, M.D.
Psychiatry

Gabriel C. Godman, M.D.
Pathology

Eli S. Goldensohn, M.D.
Neurology

H. Joel Gribetz, M.D.
Medicine

Sylvia P. Griffiths, M.D.
Pediatrics

Leonard C. Harber, M.D.
Dermatology

Sadek Hilal, M.D.
Radiology

Monique Katz, M.D.
Radiology

Thomas C. King, M.D.
Surgery

Raffaele Lattes, M.D.
Pathology

John K. Lattimer, M.D.
Urology

Edgar Leifer, M.D.
Medicine

Sidney Malitz, M.D.
Psychiatry

Akira Morishima, M.D.
Pediatrics

Robert S. Mumford, M.D.
Psychiatry

Bernard Pacella, M.D.
Psychiatry

Kermit L. Pines, M.D.
Medicine

Robin M. Rankow, M.D.
Otolaryngology

Ralph Schlaeger, M.D.
Radiology

Daniel Sciarra, M.D.
Neurology

Bernard R. Siegel, M.D.
Medicine

Norman Spitzer, M.D.
Medicine

M. Leon Tancer, M.D.
Obstetrics & Gynecology

Cornelius J. Tyson, M.D.
Medicine

James H. Weir, M.D.
Medicine

Abraham S. Weissman, M.D.
Medicine

Philip D. Wiedel, M.D.
Surgery

Consultants Emeriti

John A. Atchley, M.D.
Psychiatry

Hugh Auchincloss, M.D.
Surgery

David H. Baker, M.D.
Radiology

Harold G. Barker, M.D.
Surgery

Henrik H. Bendixen, M.D.
Anesthesiology

Viola W. Bernard, M.D.
Psychiatry

Frederick O. Bowman, Jr., M.D.
Surgery

Stanley E. Bradley, M.D.
Medicine

Leonard Brand, M.D.
Anesthesiology

Stanislaw H. Brzustowicz, D.D.S.
Dentistry

Edward A. Cain, D.D.S.
Dentistry

Charles J. Campbell, M.D.
Ophthalmology

Sidney Carter, M.D.
Neurology

Chu Huai Chang, M.D.
Radiation Oncology

John J. Conley, M.D.
Otolaryngology

James W. Correll, M.D.
Neurological Surgery

Stuart W. Cosgriff, M.D.
Medicine

David Cowen, M.D.
Pathology

George F. Crikelair, M.D.
Surgery

Edward C. Curnen, Jr., M.D.
Pediatrics

Robert C. Darling, M.D.
Rehabilitation Medicine

Felix E. Demartini, M.D.
Medicine

Arthur Gerard Devoe, M.D.
Ophthalmology

Nicholas A. DiSalvo, D.D.S.
Dentistry

Philip E. Duffy, M.D.
Pathology

Rose R. Ellison, M.D.
Medicine

Solon A. Ellison, D.D.S.
Dentistry

Charles W. Findlay, M.D.
Surgery

Henry Clay Frick, II, M.D.
Obstetrics & Gynecology

Alexander Garcia, M.D.
Orthopedic Surgery

Robert Gottsegen, D.D.S.
Dentistry

James F. Hammill, M.D.
Neurology

Edgar C. Hanks, M.D.
Anesthesiology

Frederic P. Herter, M.D.
Surgery

Sidney L. Horowitz, D.D.S.
Dentistry

George H. Humphreys, II, M.D.
Surgery

Austin D. Johnston, M.D.
Pathology

Einar A. Juhlin, M.D.
Dermatology

Michael Katz, M.D.
Pediatrics

Lawrence C. Kolb, M.D.
Psychiatry

Robert A. Kritzler, M.D.
Medicine

Austin H. Kutscher, D.D.S.
Dentistry

Vance Lauderdale, Jr., M.D.
Anesthesiology

John J. Lucca, D.D.S.
Dentistry

James R. Malm, M.D.
Surgery

Irwin D. Mandel, D.D.S.
Dentistry

Lester C. Mark, M.D.
Anesthesiology

Richard L. Masland, M.D.
Neurology

Melvin L. Moss, D.D.S.
Dentistry

Lester A. Mount, M.D.
Neurological Surgery

Equinn W. Munnell, M.D.
Obstetrics & Gynecology

Gabriel G. Nahas, M.D.
Anesthesiology

Henry I. Nahoum, D.D.S.
Dentistry

Charles S. Neer II, M.D.
Orthopedic Surgery

Shih-Hsun Ngai, M.D.
Anesthesiology

Hilda Pedersen, M.D.
Anesthesiology

Charles A. Perera, M.D.
Ophthalmology

Conrad L. Pirani, M.D.
Pathology

J. Lawrence Pool, M.D.
Neurological Surgery

Herbert Rackow, M.D.
Anesthesiology

Solomon N. Rosenstein, D.D.S.
Dentistry

Ernest Salanitre, M.D.
Anesthesiology

Saul L. Sanders, M.D.
Dermatology

Thomas V. Santulli, M.D.
Surgery

Henry G. Schaffeld, M.D.
Medicine

Edward B. Schlesinger, M.D.
Neurological Surgery

William B. Seaman, M.D.
Radiology

Boaz M. Shattan, D.D.S.
Dentistry

Jack G. Shiller, M.D.
Pediatrics

John V. Taggart, M.D.
Medicine

Samuel F. Thomas, M.D.
Neurology

W. Duane Todd, M.D.
Obstetrics & Gynecology

Ennio L. Uccellani, D.D.S.
Dentistry

Theodore B. Van Itallie, M.D.
Medicine

Ralph J. Veenema, M.D.
Urology

Carmine T. Vicale, M.D.
Neurology

Jules C. Waltner, M.D.
Otolaryngology

Richard A. Walzer, M.D.
Dermatology

Robert J. Weiss, M.D.
Psychiatry

Hyman G. Weitzen, M.D.
Neurology

Sidney C. Werner, M.D.
Medicine

James A. Wolff, M.D.
Pediatrics

ANESTHESIOLOGY

Director Of Service

Margaret Wood, M.D.

Attending Anesthesiologists

Donald C. Brody, M.D.
Mieczyslaw Finster, M.D.
Allen I. Hyman, M.D.
Richard S. Matteo, M.D.
Eugene J. Pantuck, M.D.
Peter T. Rothstein, M.D.
J. Gilbert Stone, M.D.
Lubos Triner, M.D.
Charles Weissman, M.D.
Jen Tien Wung, M.D.

Associate Attending Anesthesiologists

Anthony R. Brown, M.D.
Kathryn Ann Cozine, M.D.
Saundra E. Curry, M.D.
Ellise S. Delphin, M.D.
Arthur D. Finck, M.D.
Carolyn P. Greenberg, M.D.
Desmond A. Jordan, M.D.
Hoshang J. Khambatta, M.D.
Pat J. Martin, M.D.
Samantha Mullis, M.D.
Eugene Ornstein, M.D.
Leila M. Pang, M.D.
Richard K. Raker, M.D.
Peter L. Salgo, M.D.
Richard M. Smiley, M.D.
William L. Young, M.D.

Assistant Attending Anesthesiologists

David C. Adams, M.D.
Kristy Z. Baker, M.D.
Mitchell F. Berman, M.D.
Charles F. Cain, M.D.
Marc L. Dickstein, M.D.
Alber N. Faltas, M.D.
Ingrid A. Fitz-James, M.D.
Peter A. Goldstein, M.D.
Mark J. Heath, M.D.
Eric J. Heyer, M.D.
Douglas Jackson, M.D.
Robert Kazim, M.D.
Charles A. Lawson, M.D.
Matthew T. Levine, M.D.
Cynthia A. Lien, M.D.
Michael Luvin, M.D.
Laurence P. Mark, M.D.
John S. Mercer, M.D.
Amy Mesa–Jonassen, M.D.
Berend Mets, M.D.
Julian D. Pamm, M.D.
William S. Schechter, M.D.
Arthur E. Schwartz, M.D.
Steven M. Shulman, M.D.
Richard N. Siegfried, M.D.
Wendy B. Silverstein, M.D.
Eric T. Skolnick, M.D.
Arthur J. Smerling, M.D.
Lena S. Sun, M.D.
Gerald S. Weinberger, M.D.
Robert A. Whittington, M.D.
Howard A. Zucker. M.D.

Full Professional Physicist

Alvin Wald, Ph. D.

Associate Professional Psychologist

Robert H. Dworkin, Ph.D.

DENTISTRY

Director Of Service

Steven M. Roser, M.D., D.M.D.

Attending Dentists

Jacob Abelson, D.D.S
Thomas J. Cangialosi, D.D.S.
Martin J. Davis, D.D.S.
Allan J. Formicola, D.D.S.
Stanley P. Freeman, D.D.S.
Alvin J. Grayson, D.D.S.
Norman Kahn, D.D.S.
George C. Kiriakopoulos, D.D.S.
Eugene P. LaSota, D.D.S.
John K. Lind, D.D.S.
Louis Mandel, D.D.S.
Michael Z. Marder, D.D.S.
Louis I. Rubins, D.D.S.
Murray Schwartz, D.D.S.
Neill Serman, D.D.S.
Paul Tannenbaum, D.D.S.
Julius Tarshis, D.D.S.
Kenneth C. Troutman, D.D.S.
David J. Zegarelli, D.D.S.

Associate Attending Dentists

Jed M. Best, D.D.S.
Kourken A. Daglian, D.D.S.
Stella S. Efstratiadis, D.D.S.
James B. Fine, D.D.S.
Joel M. Friedman, D.D.S.
Heidi Hills, D.D.S.
Howard A. Israel, D.D.S.
Paul R. Kamen, D.D.S.
Susan Karabin, D.D.S.
Ira B. Lamster, D.D.S.
Laureen Langer, D.D.S.
Richard M. Lichtenthal, D.D.S.
Guy D. Metcalf, D.D.S.
David M. Momtaheni, D.D.S.
Dennis N. Morea, D.D.S
Ronnie Myers, D.D.S.
John D. Piro, D.D.S.
Bernard M. Riklin, D.D.S.
Daniel D. Schube, D.D.S.
Morton J. Stern, D.D.S.
Steven B. Syrop, D.D.S
Randall W. Toothaker, D.D.S.
Peter Wang, D.D.S.
Robert F. Wright, Jr., D.D.S.
Jerome A. Zane, D.D.S.

Assistant Attending Dentists

Jon F. Ackerman, D.D.S.
Melvin Adler, D.D.S.
David A. Albert, D.D.S.
Andrew S. Breiman, D.D.S.
Matthew B. Brown, D.D.S.
Victor L. Bruzzi, D.D.S.
Gregory N. Bunza, D.D.S.
Dory Calev, D.D.S.
David J. Caponigro, D.D.S.
Donald F. Cohen, D.D.S.
Susan J. Crawford-Lemell, D.D.S.
Dino M. Defilippis, D.D.S.
Vicky Evangelidis-Sak, D.D.S.
John Evans, D.D.S.
Neal J. Ezra, D.D.S.
Daniel H Farr, D.D.S.
Armando R. Fernandez, D.D.S.
Madeline S. Ginzburg, D.D.S.
Bernard D. Gold, D.D.S.
Norman Gold, D.D.S.
Michael Goldberg, D.D.S.
Steven J. Goldberg, D.D.S
Ernest S. Goldmann, D.D.S.
Alex M. Greenberg, D.D.S.
Ann M. Guerra, D.D.S.
Christine L. Hamilton, D.D.S.
Joseph A. Harnett, D.D.S.
Dwight L. Hershman, D.D.S.
Ian Yung-Cheng Hu, D.D.S.
Lois Jackson, D.D.S.
Margot Jaffe, D.D.S.
Renee W. Joskow, D.D.S.
John N. Kallis, D.D.S.
Martin A. Kaminker. D.D.S.
Frederick R. Kaye, D.D.S.
Irving Kittay, D.D.S.
Arthur D. Krinsky, D.D.S.
Samuel H. Levin, D.D.S.
Clarissa Marcovich, D.D.S.
John C. McCabe, D.D.S.
Marc W. Michalowicz, D.D.S.
Salvatore Napoli, D.D.S.

Olivier F. Nicolay, D.D.S
David P. Pitman, D.D.S.
Thomas Porch, D.D.S.
Carla Pulse, D.D.S.
Purnima Rathi-Hernandez, D.D.S.
Alan Rothstein, D.D.S.
Neil Sachs, D.D.S.
Andrea Schreiber, D.D.S.
Jeffrey I. Stein, D.D.S.
Gary W. Stern, D.D.S.
James Yu-Jen Su, D.D.S.
Wayne E. Turk, D.D.S.
Robert G. Veligdan, D.D.S.
Bertram J. Weissman, D.D.S.
Barry Wolinsky, D.D.S.
Georgina P. Zabos, D.D.S.
Daniel L. Zedeker, D.D.S.
Andrew Zeidman, D.D.S.
John L. Zimmerman, D.D.S.
Laureen A. Zubiaurre, D.D.S.

Assistant Dentists

Mitchell L. Beck, D.D.S.
Steven F. Bogart, D.D.S.
Ralph T. Costagliola, D.D.S.
Jacqueline Gaymes, D.D.S.
Luciano A. Ghisalberti, D.D.S.
Dean T. Glasser, D.D.S.
Pamela L. Hunte, D.D.S.
Robert S. Klotz, D.D.S.
C. Anthony Lopresti, D.D.S.
John E. Purpura, D.D.S.

DERMATOLOGY

Director Of Service

David R. Bickers, M.D.

Attending Dermatologists

Marc E. Grossman, M.D.
Richard K. Scher, M.D.
David N. Silvers, M.D.
Robert R. Walther, M.D.
Alexander W. Young, M.D.

Associate Attending Dermatologists

Irving Abrahams, M.D.
Robert B. Armstrong, M.D.
Vincent S. Beltrani, M.D.
Emil Bisaccia, M.D.
Vincent A. De Leo, M.D.
Jack Eisert, M.D.
Yehuda D. Eliezri, M.D.
Bruce Katz, M.D.
Maureen B. Poh, M.D.
Asher D. Rabinowitz, M.D.
Paul I. Schneiderman, M.D.
Gregory L. Zalar, M.D.

Assistant Attending Dermatologists

Alan D. Andrews, M.D.
William G. Atwood, M.D.
Alice C. Cardullo, M.D.
Leon Kenneth Demar, M.D.
Danielle E. Engler, M.D.
Robert P. Feinstein, M.D.
Maria C. Garzon, M.D.
Anthony N. Gregory, M.D.
Charles Halasz, M.D.
Eric W. Herman, M.D.
Cheryl S. Hutt, M.D.
Jeffrey S. Kezis, M.D.
Elizabeth H. Knobler, M.D.
Peter C. Lombardo, M.D.
Mary Gail Mercurio, M.D.
Monica Peacocke, M.D.
Maritza I. Perez, M.D.
Janet Hill Prystowsky, M.D.
Margaret S. Ravits, M.D.
Martin Reichel, M.D.
Jack H. Rozen, M.D.
David Sibulkin, M.D.
Eugene W. Sweeney, M.D.
Jo-Ann Szylit, M.D.
Arnold C.Toback, M.D.
Ruth K. Treiber, M.D.
Harvey I. Weinberg, M.D.

Associate Dermatologists

Laila Almeida, M.D.
Johanna Baeuerle, M.D.
Vincent P. Beltrani, M.D.
Robert M. Bernstein, M.D.
Philip Bruder, M.D.
Annette A. Cohen, M.D.
Timothy James Corey, M.D.
Barbara L. Lukash, M.D.
Amy E. Newburger, M.D.
Joseph A. Penner, M.D.
Karin H. Satra, M.D.
Jeffrey A. Sklar, M.D.
Luis S. Suarez, M.D.

Assistant Dermatologists

David E. Bank, M.D.
Lydia M. Evans, M.D.
Daniel R. Foitl, M.D.
Melanie Grossman, M.D.
Julie Un Joo Huh, M.D.
Wendy Ellen Livingston, M.D.
Michael A. Mann, M.D
Martha J. Maso, M.D.
Gail H. Mautner, M.D.
Peter B. Milburn, M.D.
Yasemin Osman, M.D.
Amy S. Pappert, M.D.
Mitchell J. Ross, M.D.
James M. Spencer, M.D.
Joel L. Spitz, M.D.
Amy F. Stevens, M.D.
John Walczyk, M.D.
Michael J. Yunakov, M.D.

FAMILY MEDICINE

Director Of Service

Christopher M. Wang, M.D.

Assistant Attending Physicians

Carl Franzetti, D.O.
Leticia R. Gonzalez, M.D.
Frank J. Maselli, M.D.
Laura J. Matthew–Thompson, M.D.
Rajal M. Patel, M.D.
James M. Spears, M.D.

MEDICINE

Director Of Service

Myron L. Weisfeldt, M.D.

Attending Physicians

Qais Al-Awqati, M.D.
Richard P. Ames, M.D.
Karen H. Antman, M.D.
Gerald B. Appel, M.D.
Harold S. Ballard, M.D.
Arthur Bank, M.D.
C. Redington Barrett, Jr., M.D.
J. Thomas Bigger, Jr., M.D.
John P. Bilezikian, M.D.
Ralph S. Blume, M.D.
Vincent P. Butler, M.D.
Peter R. Caldwell, M.D.
Robert E. Canfield, M.D.
Paul J. Cannon, M.D.
Leonard Chess, M.D.
Michael Henry Cohen, M.D.
Randolph P. Cole, M.D.
Stanley Cortell, M.D.
Ronald E. Drusin, M.D.
John R. Edsall, M.D.
Yale Enson, M.D.
Michael Field, M.D.
Andrew G. Frantz, M.D.
Thomas J. Garrett, M.D.
Glenda J. Garvey, M.D.
Elsa-Grace V. Giardina, M.D.
Harold S. Ginsberg, M.D.
Henry N. Ginsberg, M.D.
Jonas M. Goldstone, M.D.
Lionel Grossbard, M.D.
Peter R. Holt, M.D.
Charles J Homcy, M.D.
Thomas P. Jacobs, M.D.
Israeli A. Jaffe, M.D.
Robert D. Kennedy, M.D.
Abbie I. Knowlton, M.D.
Charles J. Lightdale, M.D.
John Lindenbaum, M.D.
Robert Lindsay, M.D.
John N. Loeb, M.D.
William P. Lovejoy, M.D.
David J. Mc Connell, M.D.
Jay I. Meltzer, M.D.
Thomas Q. Morris, M.D.
Jane H. Morse, M.D.
Harold C. Neu, M.D.
Hans W. Neuberg, M.D.
Milton Packer, M.D.
Emil F. Pascarelli, M.D.
Gerald B. Phillips, M.D.
F. Xavier Pi-Sunyer, M.D.
Richard N. Pierson, Jr., M.D.
James A. Reiffel, M.D.
Stephen N. Rosenberg, M.D.
Allan Schwartz, M.D.
Ethel S. Siris, M.D.
Jeffrey A. Stein, M.D.
Richard J. Stock, M.D.
Joseph G. Sweeting, M.D.
Alan R.Tall, M.D.
Donald F. Tapley, M.D.
Robert N. Taub, M.D.
Henry Thomas, M.D.
Gerald E. Thomson, M.D.
Gerard M. Turino, M.D.
I. Bernard Weinstein, M.D.
Charles Weissman, M.D.
Robert T. Whitlock, M.D.

Associate Attending Physicians

Alfred R. Ashford, M.D.
Leslie P. Baer, M.D.
David K. Blood, M.D.
Conrad B. Blum, M.D.
Ned S. Braunstein, M.D.
John O. Burris, M.D.
L. David Carmichael, M.D.
Rita A. Charon, M.D.
Herbert S. Chase, Jr., M.D.
James J. Cimino, M.D.
David Jonathan Cohen, M.D.

Janna C. Collins, M.D.
Jerome A. Cooper, M.D.
James Coromilas, M.D.
Robert H. DeBellis, M.D.
Jay F. Dobkin, M.D.
Stanley Epstein, M.D.
Dorothy Estes, M.D.
Seth D. Feltheimer, M.D.
Jerry I. Gliklich, M.D.
Ira Jay Goldberg, M.D.
Peter Green, M.D.
Richard M. Grose, M.D.
Robert H. Heissenbuttel, M.D.
Wylie Hembree, M.D.
Shunichi Homma, M.D.
Evelyn M. Horn, M.D.
Oscar H. Irigoyen, M.D.
Kung-Ming Jan, M.D.
Jose Katz, M.D.
Donald W. Landry, M.D.
Rafael A. Lantigua, M.D.
Oscar Lebwohl, M.D.
Marianne J. Legato, M.D.
Robert Lewy, M.D.
Frank D. Livelli, Jr., M.D.
Arthur Marc Magun, M.D.
Aaron Manson, M.D.
Roger A. Maxfield, M.D.
Robert J. McConnell, M.D.
George H. McCormack, M.D.
J. Gregory Mears, M.D.
Anthony D. Mercando, M.D.
Stephen A. Morris, M.D.
Clayton L. Natta, M.D.
Alfred I. Neugut, M.D.
Juan Oliver, M.D.
Carmen Ortiz-Neu, M.D.
Martin W. Oster, M.D.
Constance M. Park, M.D.
Kenneth M. Prager, M.D.
Barrie L. Raik, M.D.
Gerald A. Ridge, M.D.
David A. Rubin, M.D.
Peter L. Salgo, M.D.
Lawrence L. Scharer, M.D.
Harvey A. Schneier, M.D.
Brian E. Scully, M.D.
Alan H. Seplowitz, M.D.
Elizabeth J. Shane, M.D.
Steven J. Shea, M.D.
William H. Sherman, M.D.
Shonni Silverberg, M.D.
Eve E. Slater. M.D.
Cy Aaron Stein, M.D.
Susan Steinberg, M.D.
Mark B. Stoopler, M.D.
Ira A. Tabas, M.D.
Joseph Tenenbaum, M.D.
Byron M. Thomashow, M.D.
Sharon Wardlaw, M.D.
Judah Z. Weinberger, M.D.
Francis M. Weld, M.D.
Gail S. Williams, M.D.
Chun K. Yip, M.D.

Assistant Attending Physicians

Keith D. Aaronson, M.D.
Meyer H. Abittan, M.D.
Brenda Aiken, M.D.
Myles H. Akabas, M.D.
Mark A. Apfelbaum, M.D.
Terri F. Apfelbaum, M.D.
Yadon Arad, M.D.
Rohit R. Arora, M.D.
Dolores J. Bacon, M.D.
Theodore Casimir Bania, M.D.
Randolph Barrows, Jr. , M.D.
Alan R. Baskin, M.D.
Anne R. Bass, M.D.
Alfred Becker, M.D.
Richard L. Benda, M.D.
Andrew D. Berke, M.D.
Walter D. Berkowitz, M.D.
Arthur J. Berman, M.D.
Howard Blank, M.D.
Matthew Block, M.D.
Daniel M. Bloomfield, M.D.
Timothy P. Boufford, M.D.
Barbara A. Bowe, M.D.
David A. Brogno, M.D.
Karen F. Brudney, M.D.
Daniel Burkhoff, M.D.
Manuel R. Cabrera, M.D.
Richard S. Cantor, M.D.
Maxwell M. Chait, M.D.
Howard Chase, M.D.
Robert G. Chin, M.D.
Neville D. Clynes, M.D.
Alice J. Cohen, M.D.
Joaquim J. Correia, M.D.
Steven J. Corwin, M.D.
Felicia Cosman, M.D.
Kenneth D. Croen, M.D.
Robert S. Danziger, M.D.
Anita Darmanian, M.D.
Jonathan David, M.D.
Marco R. Di Tullio, M.D.
David L. Diuguid, M.D.
Roberta L. Donin, M.D.
Daniel S. Donovan, M.D.
Errol G. Duncan, M.D.
Edward Dwyer, M.D.
Edward Eden, M.D.
Juanita A. Evereteze, M.D.
Ari M. Ezratty, M.D.
Harry Feld, M.D.
Mitchell H. Fishbach, M.D.
Michael J. Flamm, M.D.
Elaine M. Fleck, M.D.
Mary T. Flood, M.D.
Jean G. Ford, M.D.
Robert Allan Frankel, M.D.
Gill L. Frei, M.D.
Rolf Freter, M.D.
Kenneth Friedberg, M.D.
Gary S. Gabelman, M.D.
Henry D. Gaines, M.D.
Bernard Gitler, M.D.
William F. Goetz, M.D.
Robin S. Goland, M.D.
David M. Goldberg, M.D.
Robert L. Goodman, M.D.
Aasha S. Gopal, M.D.
Peter Gordon, M.D.
Keith M. Gottesdiener, M.D.
Martin M. Grajower, M.D.
Robert A. Green, M.D.
Steven M. Greenberg, M.D.
Alvin Greengart, M.D.
Marc D. Grodman, M.D.
Isadore P. Gutwein, M.D.
Bruce Joseph Haik, M.D.
William Heidenberg, M.D.
Ronnie A. Hershman, M.D.
Charles Hesdorffer, M.D.
Kevin J. Hewitt, M.D.
David M. Hodges, M.D.
Gerald M. Hollander, M.D.
Anna L. Holness, M.D.
Ada J. Huang, M.D.
Sherry Jackson, M.D.
Linda E. Jaffe, M.D.
Eddy Jean-Baptiste, M.D.
Robert A. Jenders, M.D.
Micheal N. Johnson, M.D.
Nancy F. Kahn, M.D.
Stuart D. Katz, M.D.
Terri F. Katz, M.D.
Andrew M. Keller, M.D.
Theodore N. Keltz, M.D.
Karen F. Kerner, M.D.
Marjorie L. King, M.D.
Walter A. Klein, M.D.
Charles A. Knirsch, M.D.
Rima G. Kopelman, M.D.
Cheryl L. Kunis, M.D.
Rebecca J. Kurth, M.D.
Robert S. Laitman, M.D.
Jonathan D. Lapook, M.D.
Seth Lederman, M.D.
Mary F. Lee-Wong, M.D.
Barron H. Lerner, M.D.
Sheryl Lynn Leventhal, M.D.
Howard R. Levin, M.D.
Beth C. Levine, M.D.
Benjamin H. Lewis, M.D.
Suzanne K. Lewis, M.D.
Pedro C. Lippa, M.D.
Arnold L. Lisio, M.D.
Henry S. Lodge, Jr, M.D.
Mathew Lonberg, M.D.
Alan M. Lotvin, M.D.
Israel Lowy, M.D.
Jeremy Luban, M.D.
Susan L. Lucak, M.D.
Robert I. Lynn, M.D.
Daniel L. Macken, M.D.
Steven Lee Mackey, M.D.
Donna M. Mancini, M.D.
William M. Manger, M.D.
David D. Markowitz, M.D.
Carlton C. McGregor, M.D.
Jakob C. Melamed, M.D.
Scott J. Mellis, M.D.
Paul C. Mendelowitz, M.D.
Jacques P. Merab, M.D.
Brenda Merritt, M.D.
Frances J. Meyer, M.D.
Donald Scott Miller, M.D.
Judith C. Monteferrante, M.D.
Susan R. Morales, M.D.
Mary Jo Morgenstern, M.D.
Ellen A. Morrison, M.D.
Alan J. Moskowitz, M.D.
Robin O. Motz, M.D.
Michael J. Muschel, M.D.
Edwin Naamon, M.D.
Gerald W. Neuberg, M.D.
Gwen L Nichols, M.D.
Katherine G. Nickerson, M.D.
Maria N. Nicolaides, M.D.
Oluremi Olowe, M.D.
Ariel Pablos-Mendez, M.D.
Michael Perez, M.D.
George A. Petrossian, M.D.
Daniel P. Petrylak, M.D.
David J. Pinsky, M.D.
Jennifer M. Plumb-Hinde, M.D.
John E. Postley, Jr., M.D.
Marshall P. Primack, M.D.
Leroy E. Rabbani, M.D.
Michael Edward Rader, M.D
Jai Radhakrishnan, M.D.
Gary Scott Raizes, M.D.
Alise S. Reicin, M.D.
Dennis S. Reison, M.D.
Monica M. Reynolds, M.D.
Roxanne A. Rodney, M.D.

John L. Roglieri, M.D.
Mario F. Romagnoli, M.D.
Lee P. Root, M.D.
Marlon S. Rosenbaum, M.D.
Richard M. Rosenberg, M.D.
Richard L. Roth, M.D.
Howard C. Rothman, M.D.
Paul B. Rothman, M.D.
Robert B. Roven, M.D.
Moshe Rubin, M.D.
Deborah E. Rudin, M.D.
David I. Sahar, M.D.
Christian W. Schindler, M.D.
Ann Marie Schmidt, M.D.
Lewis P. Schneider, M.D.
Stanley J. Schneller, M.D.
Larry L. Schulman, M.D.
Fred S. Schwartz, M.D.
Mark A. Seldon M.D.
Carol E. Semrad, M.D.
Neil S. Shachter, M.D.
Hedva Shamir, M.D.
Jacob Shani, M.D.
George C. Shapiro, M.D.
David Sherman, M.D.
Eric H. Sherman, M.D.
Ali Ahmad Sherzoy, M.D.
Neal Michael Shipley, M.D.
Mark S. Silberman, M.D.
Judith Simmons, M.D.
Manfred Simon, M.D.
Paul F. Simonelli, M.D.
Effie Singas, M.D.
Marjorie L. Slankard, M.D.
Arthur I. Snyder, M.D.
Alfred Steiner, M.D.
Leonard Stern, M.D.
Peter D. Stevens, M.D.
Joshua I. Stillman, M.D.
Samuel Suede, M.D.
Nancy K. Terrell, M.D.
Michael B. Tindel, M.D.
Jack F. Tohme, M.D.
Linda T. Vahdat, M.D.
Anthony M. Valeri, M.D.
Guy Valiquette, M.D.
Janet Van Adelsberg, M.D.
Hal S. Wasserman, M.D.
Christine Weart, M.D.
Joseph G. Wiedermann, M.D.
Felix Wimpfheimer, M.D.
Howard J. Worman, M.D.
Michael J. Yellin, M.D.
Marcel Zimetbaum, M.D.
Marc Steven Zimmerman, M.D.

Associate Physicians

Dominic M. De Palma, M.D.
Eric R. Ellinghaus, M.D.
David L. Feit, M.D.
Richard C. Golding, M.D.
Harold Novog, M.D.
Karen P. Oldham, M.D.
Anthony F. Provenzano. M.D.
Alan L. Saroff, M.D.
Jerrold F. Schwartz, M.D.

Assistant Physicians

Michael Ader, M.D.
Olakunle O. Akinboboye, M.D.
Argon Atac, M.D.
Abdul C. Azeez, M.D.
Jonathan M. Barasch, M.D.
Marjorie E. Baron, M.D.
Pedro Benedicto, M.D.
Ralph E. Binder, M.D.
Sonia M. Cabrera, M.D.
Louis P. Caragine, M.D.
Varughese Chacko, M.D.
Jacob M. Cohen, M.D.
Juan Rafael Cruz, M.D.
Stephanie De Jesus, M.D.
Rafael De La Cruz, M.D.
Rafael De La Cruz–Gomez, M.D.
Ramon M. Delmonte, M.D.
Anthony G. De Martino, M.D.
James C. Di Lorenzo, M.D.
Jose Dizon, M.D.
Theodore C. Docu, M.D.
Debabrata Dutta, M.D.
James B. Ehrlich, M.D.
Rene Shek-Ming Eng, M.D.
Bienvenido J.B. Fajardo, M.D.
Joseph Feldman, M.D.
Felix Florimon, M.D.
Pamela U. Freda, M.D.
Kenneth N. Giedd, M.D.
James F. Giglio, M.D.
Saul B. Gilson, M.D.
Michael Goldman, M.D.
David A. Gomez, M.D.
Harold Grushkin, M.D.
Suresh K. Hemrajani, M.D.
Avraham Henoch, M.D.
Peter L. Hofmann, M.D.
Ranjit C. Josiah, M.D.
Michel Kaiser, M.D.
Issachar Karten, M.D.
Karel R. Kennedy, M.D.
Albert D. Kramer, M.D.
Etah S. Kurland, M.D.
Kurt E. Lauer, M.D.
Chong H. Lee, M.D.
Barbara J. Leibowitz , M.D.
Leslie J. Lipka, M.D.
Carlos A. Lithgow, M.D.
Victor Anthony Mascitelli, M.D.
Alfred Miller, M.D.
Luis A. Morales, M.D.
Michael J. Morelli, M.D.
David Negron, M.D.
Dellis Anna Norwood–Galloway, M.D.
Jose C. Ortiz, M.D.
Babubhai I. Patel, M.D.
Joseph T. Pedulla, M.D.
John T. Pellicone, M.D.
Nelson Pena, M.D.
Socrates R. Perez, M.D.
Alessandra B. Pernis, M.D.
Eduardo L. Pignanelli, M.D.
Milovan T. Rakic, M.D.
Barry Rudin, M.D.
Robert A. Sable, M.D.
Joseph J. Sachter, M.D.
Jonathan D. Sackner-Bernstein, M.D.
Derek W. Santiago, M.D.
Eduardo Milligan Saponara, M.D.
Osman R. Sayan, M.D.
Matthew J. Schnellbaecher, M.D.
Robert Seligsohn, M.D.
Safwat Ibrahim Shaker, M.D.
Dana Shani, M.D.
Robert S. Siebken, M.D.
Karen R. Silverberg, M.D.
Raanan Smelin, M.D.
P. A. Sundarajan, M.D.
Matilda M. Taddeo, M.D.
Mayobanex A. Torres, M.D.
Wing On Tsang, M.D.
Catherine Tuck, M.D.
Virgilio A.Valdez, M.D.
Julia E.Vargas-Jerez, M.D.
Diodato Villamena, M.D.
Thelma Calo Villanueva, M.D.
Gail Vitagliano, M.D.
Renee Weslow, M.D.
James A. Wilson, M.D.
Isaac D. Wurzburger, M.D.

Clinical Assistant Physicians

Ainat Beniaminovitz, M.D.
Mark L. Blitzer, M.D.
Jeff T. Chapman, M.D.
Robert Chou, M.D.
Adam Deutsch, M.D.
Angela M . Dimango, M.D.
Emily A. Dimango, M.D.
Jonathan Finegold, M.D.
Reuben J. Garcia-Carrasquillo, M.D.
Steven Lewis Glazer, M.D.
Stephen Goodman, M.D.
Andrew K. Joe, M.D.
John Kassotis, M.D.
Henry E. Kim, M.D.
Felix H. Lee, M.D.
Millie Lee, M.D.
Sun Hi Lee, M.D.
Steven J. Lobritto, M.D.
Dennis G. Mihalatos, M.D.
Rachel L. Miller, M.D.
Oscar T. Ortiz, M.D.
Thomas H. Riley, M.D.
Vinita Sehgal, M.D.
Lance M. Siegel, M.D.
Alan D. Simon, M.D.
Mark K. Warshofsky, M.D.
Elizabeth A. Webster, M.D.

Director Of The Clinical Information Service

Paul D. Clayton, Ph.D.

Assistant Professional Circulatory Physiologist

Rochelle L. Goldsmith, Ph.D.

NEUROLOGICAL SURGERY

Director Of Service

Bennett Stein, M.D.

Attending Neurological Surgeons

Edgar M. Housepian, M.D.
James G. McMurtry III, M.D.
Donald O. Quest, M.D.
Robert A. Solomon, M.D.

Associate Attending Neurological Surgeons

Ronald Brisman, M.D.
Paul C. McCormick, M.D.

Assistant Attending Neurological Surgeons

Jeffrey N. Bruce, M.D.
Neil A. Feldstein, M.D.
Robert R. Goodman, M.D.
Robert N. Holtzman, M.D.
Michael B. Sisti, M.D.
Daniel E. Spitzer, M.D.

Assistant Neurological Surgeons

Jonathan H. Lustgarten, M.D.
Jeffrey S. Oppenheim, M.D.

NEUROLOGY

Director Of Service

Lewis P. Rowland, M.D.

Attending Neurologists

Robert E. Barrett, M.D.
Carl W. Braun, M.D.
John C. Brust, M.D.
Darryl De Vivo, M.D.
Robert A. deNapoli, M.D.
Stanley Fahn, M.D.
Michael R. Fetell, M.D.
Arnold P. Gold, M.D.
James H. Halsey, Jr., M.D.
W. Allen Hauser, M.D.
Edward B. Healton, M.D.
Norman Latov, M.D.
Linda D. Lewis, M.D.
Robert E. Lovelace, M.D.
Richard P. Mayeux, M.D.
Jay P. Mohr, M.D.
Joseph L. O'Brien, M.D.
Timothy A. Pedley, M.D.
David L. Sagman, M.D.

Associate Attending Neurologists

Alfred C. Bannerman, M.D.
Susan B. Bressman, M.D.
Carolyn B. Britton, M.D.
Robert E. Burke, M.D.
Lucien J. Cote, M.D.
Ronald Gould Emerson, M.D.
Douglas E. Kargman, M.D.
Arnold R. Kriegstein, M.D.
Dale J. Lange, M.D.
James R. Miller, M.D.
Marcelo R. Olarte, M.D.
Stephen Q. Shafer, M.D.
Joseph H. Willner, M.D.

Assistant Attending Neurologists

Casilda M. Balmaceda, M.D.
Karen L. Bell, M.D.
Ann Camac, M.D.
Abba L. Cargan, M.D.
Claudia Chiriboga, M.D.
Sidney M. Cohen, M.D.
George H. Dooneief, M.D.
Blair Ford, M.D.
Eugenia T. Gamboa, M.D.
Paul Greene, M.D.
Michio Hirano, M.D.
Stanley B. Holstein, M.D.
Ram. Kairam, M.D.
Laura Lennihan, M.D.
Elan D. Louis, M.D.
Timothy Lynch, M.D.
Karen S. Marder, M.D.
Randolph S. Marshall, M.D.
Stephan A. Mayer, M.D.
Michael A. Nagel, M.D.
Douglas R. Nordli, M.D.
Torbjoern G. Nygaard, M.D.
Norman Pflaster, M.D.
Serge Przedborski, M.D.
Seth Pullman, M.D.
Aaron Rabin, M.D.
Anne H. Remmes, M.D.
Stanley R. Resor, M.D.
Ralph L. Sacco, M.D.
Saud A. Sadiq, M.D.
Mark L. Scheuer, M.D.
Glenn M. Seliger, M.D.
Jay E. Selman, M.D.
Ariel A. Sherbany, M.D.
Thaddeus Walczak, M.D.
Ching H. Wang, M.D.
Loui H. Weimer, M.D.
David S. Younger, M.D.

Associate Neurologists

Gary S. Alweiss, M.D.
Leslie H. Boyce, M.D.
Stephen C. Klass, M.D.
Elfrida S. Malkin, M.D.
Alexander Mason II, M.D.
Ronald M. Silverman, M.D.

Assistant Neurologist

Damon M. Fellman, M.D.

Clinical Assistant Neurologists

Thomas H. Brannagan, III, M.D.
Sylvain Chouinard, M.D.
Robert N. Gan, M.D.
Peter Christopher Gottschalk, M.D.
Lawrence J. Hirsch, M.D.
Pushp Raj Kapoor, M.D.
Daniel J. L. MacGowan, M.D.
Clyde E. Markowitz, M.D.
Carol A. Merchant, M.D.
Joan T. Moroney, M.D.
James R. Morris, M.D.
Keith J. Nagle, M.D.
Linda J. Nienstedt, M.D.
Constantinos G. Pouyiourdos, M.D.
James Kirk Roberts, M.D.
Alice Hampton Rusk, M.D.
Peter W. Schofield, M.D.
Leonidas Stefanis, M.D.
Rupendra Swarup, M.D.
Carole E. Thomas, M.D.
Tuan H. Vu, M.D.

Associate Professional Neuropsychologists

Ronald M. Lazar, Ph.D.
Yaakov Stern, Ph.D.

Assistant Professional Neuropsychologists

David W. Desmond, Ph.D.
Marla J. Hamberger, Ph.D.
Mary C. Sano, Ph.D.

Assistant Professional Electromyographer

Philip C. Su, M.D.

OBSTETRICS/GYNECOLOGY

Director Of Service

Rogerio A. Lobo, M.D.

Attending Obstetricians & Gynecologists

Laxmi V. Baxi, M.D.
Edward T. Bowe, M.D.
Vincent J. Freda, M.D.
Georgiana Jagiello, M.D.
Richard U. Levine, M.D.
Raymond M. McCaffrey, M.D.
Robert S. Neuwirth, M.D.
Allan G. Rosenfield, M.D.
Ilan E. Timor, M.D.
Wolfgang Tretter, M.D.
Sterling B. Williams, M.D.
Ming-Neng Yeh, M.D.

Associate Attending Obstetricians & Gynecologists

Bruce A. Barron, M.D.
Ralph J. Hessekiel, M.D.
Nabil Husami, M.D.
Raphael Jewelewicz, M.D.
Amalia C. Kelly, M.D.
Andrew Loucopoulos, M.D.
David B. Moore, M.D.
Harry Reich, M.D.
Haider H. Shamsi, M.D.
Daniel H. Smith, M.D.
Carolyn Westhoff, M.D.

Assistant Attending Obstetricians & Gynecologists

Fred A. Avila, M.D.
Saul Bilik, M.D.
Jody S. Blanco, M.D.
Gina A. Brown, M.D.
Stephen A. Brown, M.D.
Valerie Burke, M.D.
Frederick S. Clare, M.D.
Eileen F. DeMarco, M.D.
Edward C. Ditkoff, M.D.
Frederick A. Gonzalez, M.D.
Robert A. Hadden, M.D.
Coleman Henley, M.D.
Emmet Hirsch, M.D.
Claudia Holland, M.D.
Hilda Y. Hutcherson, M.D.
Unjeri C. Jackson, M.D.
Sarah H. Kelly, M.D.
Martin D. Keltz, M.D.
John P. Koulos, M.D.
Anita P. Lasala, M.D.
Daniel M. Lasser, M.D.
Jod P. Lerner, M.D.
Bernard L. Lieberman, M.D.
Steven R. Lindheim, M.D.
Juan S. Lopez, M.D.
Frances Marks, M.D.
Cristina Matera-Abouzahr, M.D.
Ana Monteagudo, M.D.
Sharon L. Patrick, M.D.
Paula Randolph, M.D.
Kevin B. Reilly, M.D.
Mary L. Reuss, M.D.
Donna Session, M.D.
Thomas D. Shin, M.D.
Rafael A. Tejeda, M.D.
Tessie Tharakan, M.D.
Jose F. Torres, M.D.
Christina R. Veit, M.D.
Wendy Warren, M.D.
Ralf C. Zimmermann, M.D.

Assistant Obstetricians & Gynecologists

Ruth M. Barrow, M.D.
Mary I. Fatehi, M.D.
Susanne M. Greenidge, M.D.
Vivian E. Roston, M.D.
Andre H. Saad, M.D.
Leonardo J. Yunis, M.D.

Clinical Assistant Obstetricians & Gynecologists

Traci C. Burgess, M.D.
Lorraine Chrisomalis, M.D.
Shashana Haberman, M.D.
Kellie Estelle Murphy, M.D.
Andrea Vidali, M.D.

OPHTHALMOLOGY

Director Of Service

Stanley Chang, M.D.

Attending Ophthalmologists

Myles M. Behrens, M.D.
Richard W. Darrell, M.D.
Anthony Donn, M.D.

John W. Espy, M.D.
R. Linsy Farris, M.D.
Max Forbes, M.D.
Peter Gouras, M.D.
Ira Snow Jones, M.D.
Francis A. L'Esperance, M.D.
Harold F. Spalter, M.D.
B. D. Srinivasan, M.D.
Stephen L. Trokel, M.D.

Associate Attending Ophthalmologists

Howard M. Eggers, M.D.
Frank B. Hoefle, M.D.
Albert J. Hofeldt, M.D.
George M. Howard, M.D.
Martin L. Leib, M.D.
Robert Lopez, M.D.
Cynthia J. MacKay, M.D.
John C. Merriam, M.D.
Jeffrey G. Odel, M.D.
Louis D. Pizzarello, M.D.
Hermann D. Schubert, M.D.
R. David Sudarsky, M.D.
Emil Wirostko, M.D.

Assistant Attending Ophthalmologists

James D. Auran, M.D.
Rajendra K. Bansal, M.D.
Lisa G. Barbera, M.D.
Arthur M. Cotliar, M.D.
Frederic H. Deutsch, M.D.
Stephen Doro, M.D.
George J. Florakis, M.D.
Pamela F. Gallin, M.D.
Michael Kazim, M.D.
Martin E. Lederman, M.D.
Rainer N. Mittl, M.D.
Hugh M. Moss, M.D.
Vincent S. Reppucci, M.D.
Jaime Santamaria, II, M.D.
R. Theodore Smith, M.D.
Ram P. Tiwari, M.D.
Michael Weiss, M.D.

Associate Ophthalmologists

Daniel S. Casper, M.D.
Antonio M. Gonzales, M.D.
Donald H. Green, M.D.
Peter Michalos, M.D.
Lawrence G. Pape, M.D.

Assistant Ophthalmologists

Eli N. Avila, M.D.
Richard E. Braunstein, M.D.
Paul Frank, M.D.
B. David Gorman, M.D.
Jeffrey M. Josef, M.D.
Steven A. Kane, M.D.
John S. Kim, M.D.
Diane J. Kraus, M.D.
John S. Kung, M.D.
Peter E. Libre, M.D.
John A. Lucca, M.D.
Marc G. Odrich, M.D.
Steven A. Odrich, M.D.
Gloria R. Paoli, M.D.
Hilary J. Ronner, M.D.
Phyllis E. Weingarten, M.D.

ORTHOPEDIC SURGERY

Director Of Service

Harold M. Dick, M.D.

Attending Orthopedic Surgeons

David L. Andrews, M.D.
Louis U. Bigliani, M.D.
Nas Ser Eftekhar, M.D.
S. Ashby Grantham, M.D.
Jack H. Henry, M.D.
Howard A. Kiernan, M.D.
Ralph Carl Marcove, M.D.
Marvin L. Shelton, M.D.

Associate Attending Orthopedic Surgeons

Peter N. Carbonara, M.D.
Evan L. Flatow, M.D.
William G. Hamilton, M.D.
Hugo A. Keim, M.D.
Christopher B. Michelsen, M.D.
Walter J. Pedowitz, M.D.
Melvin P. Rosenwasser, M.D.
David P. Roye, Jr., M.D.
Mark Weidenbaum, M.D.

Assistant Attending Orthopedic Surgeons

John W. Carmody, M.D.
Frank A. Cordasco, M.D.
Robert N . Dunn, M.D.
Laura L. Forese, M.D.
Armen C. Haig, M.D.
Scott V. Haig, M.D.
Stuart J. Hershon, M.D.
James A. Moore, M.D.
Ohannes Nercessian, M.D.
Harvey Orlin, M.D.
James C. Parkes, II, M.D.
Andrew H. Patterson, M.D.
Roger G. Pollock, M.D.
Bernard A. Rawlins, M.D.
Robert M. Reiss, M.D.
Thomas D. Rodda, M.D.
Edward B. Self, Jr, M.D.
Martin L. Sorger, M.D.
Bruce L. Sprague, M.D.
Robert J. Strauch, M.D.
Ronald Tietjen, M.D.
Luther F. Warren, M.D.
Marvin Winell, M.D.
George J. Zambetti, M.D.

Assistant Orthopedic Surgeons

Mark P. Altman, M.D.
Douglas G. Avella, M.D.
Phillip A. Bauman, M.D.
Steven Berkowitz, M.D.
Richard J. D'Agostino, M.D.
Stuart J. Fischer, M.D.
James S. Kort, M.D.
Marc I. Malberg, M.D.
Seth R. Miller, M.D.
Thomas A. Rago, M.D.
Wendell O. Scott, M.D.
Hervey S. Sicherman, M.D.
Alan Vanderwalde, M.D.

Full Professional Biomedical Engineers

W. Michael Lai, Ph.D.
Van C. Mow, Ph.D.

OTOLARYNGOLOGY

Director Of Service

Lanny G. Close, M.D.

Attending Otolaryngologists

Andrew Blitzer, M.D.
Lawrence Savetsky, M.D.
Malcolm H. Schvey, M.D.
Howard W. Smith, M.D.

Associate Attending Otolaryngologists

Joseph Haddad, Jr., M.D.
Steven M. Roser, M.D., D.M.D.
Raymond B. Strauss, M.D.
Jack J. Wazen, M.D.

Assistant Attending Otolaryngologists

Jeffrey N. Ahn, M.D.
Jonathan E. Aviv, M.D.
Anthony P. Caruso, M.D.
Hyun T. Cho, M.D.
Lee D. Eisenberg, M.D.
Monte S. Keen, M.D.
Daniel B. Kuriloff, M.D.
Daniel J. Pender, M.D.
Hector P. Rodriguez, M.D.
Ian Sam Storper, M.D.

Assistant Otolaryngologists

Mark L. Fox, M.D.
Robert D. Huang, M.D.
Scott L. Kay, M.D.
Arlene H. Markowitz, M.D.
Diego Saporta, M.D.
Jayde M. Steckowych, M.D.

PATHOLOGY

Director Of Service

Michael L. Shelanski, M.D.

Attending Pathologists

Vivette D. D'Agati, M.D.
M. Renate Dische, M.D.
James E. Goldman, M.D.
Jay H. Lefkowitch, M.D.
Barbara M. Osborne, M.D.
Karl H. Perzin, M.D.
Robert F. Reiss, M.D.
Ralph M. Richart, M.D.
Heidrun Rotterdam, M.D.

Associate Attending Pathologists

Andrew J. Dwork, M.D.
Daniel J. Fink, M.D.
Ellen Greenebaum, M.D.
Arthur P. Hays, M.D.
Debra S. Heller, M.D.
Kathleen M. O'Toole, M.D.
May Violet Parisien, M.D.
Helen M. Richards, M.D.
Hermann D. Schubert, M.D.
Thomas C. Wright, Jr., M.D.

Assistant Attending Pathologists

Lool Seged Abebe, M.D.
Yuan Chang, M.D.
Steven S. Chin, M.D.
Peter E. Fisher, M.D.
Diane Hamele–Bena, M.D.
Hanina Hibshoosh, M.D.
Sameera Husain, M.D.
John J. Krolewski, M.D.
Eugene E. Marcantonio, M.D.
Anne Y. Matsushima, M.D.
Melissa S. Pessin–Minsley, M.D.
Mark A. Rubin, M.D.
Matthias J. Szabolcs, M.D.
Benjamin Tycko, M.D.
Carol L. Williams, M.D.

Assistant Pathologist

Francine R. Dembitzer, M.D.

Associate Professional Clinical Microbiologists

Phyllis Della-Latta, Ph.D.
Irene Weitzman, Ph.D.

PEDIATRICS

Director Of Service

John M. Driscoll, Jr., M.D.

Attending Pediatricians

Lindsey D. Allan, M.D.
Russell S. Asnes, M.D.
Frederick M. Bomback, M.D.
Roy E. Brown, M.D.
Louis Z. Cooper, M.D.
Nicholas Cunningham, M.D.
William J. Davis, M.D.
Darryl De Vivo, M.D.
Anne A. Gershon, M.D.
Welton M. Gersony, M.D.
Jerry C. Jacobs, M.D.
Kenneth H. Katz, M.D.
Lenore S. Levine, M.D.
Robert B. Mellins, M.D.
Sergio Piomelli, M.D.
Michael R. Rosen, M.D.
Tove S. Rosen, M.D.
Peter T. Rothstein, M.D.
Joseph A. Silverman, M.D.
Anneliese L. Sitarz, M.D.
William T. Speck, M.D.
Raymond L. Stark, M.D.
John T. Truman, M.D.
Robert J. Winchester, M.D.

Associate Attending Pediatricians

Linda J. Addonizio, M.D.
Kwame Anyane-Yeboa, M.D.
Robyn J. Barst, M.D.
Jennifer J. Bell, M.D.
Michael R. Bye, M.D.
Roge S. Challop, M.D.
Janna C. Collins, M.D.
Richard J. Deckelbaum, M.D.
John Fisher Ennever, M.D.
Candace J. Erickson, M.D.
Bernard R. Feldman, M.D.
Charles H. Feldman, M.D.
James H .Garvin, M.D.
Burton Grebin, M.D.
Ludovico Guarini, M.D.
Constance J. Hayes, M.D.
Allan J. Hordof, M.D.
Anne Hurlet-Jensen, M.D.
Matilde Irigoyen, M.D.
Sudha Kashyap, M.D.
Philip Kazlow, M.D.
Ehud Krongrad, M.D.
Philip S. LaRussa, M.D.
George M. Lazarus, M.D.
Harriet E. McGurk, M.D.
Gilbert W. Mellin, M.D.
Richard L. Mones, M.D.
Martin A. Nash, M.D.
John F. Nicholson, M.D.
Michael Novogroder, M.D.
Leila M. Pang, M.D.
Jane Pitt, M.D.
Alice S. Prince, M.D.
Lynne M. Quittell, M.D.
Joan A. Regan, M.D.
Karl F. Schulze, M.D.
Thomas J. Starc, M.D.
Ronald F. Swanger, M.D.

Assistant Attending Pediatricians

Dennis Allendorf, M.D.
Paula A. Annunziato, M.D.
Robert Antar, M.D.
Gaya S. Aranoff, M.D.
Arthur B. Atlas, M.D.
Michael K. Bartalos, M.D.
James T. Belisle, M.D.
Joan Bregstein, M.D.
Jocelyn Brown, M.D.
Denise M. Bruno, M.D.
William J. Chernack, M.D.
Alwyn T. Cohall, M.D.
Stanley B. Cohen, M.D.
Amy R. De Felice, M.D.
Marian B. Demeny, M.D.
David Di John, M.D.
Christine M. Donnelly, M.D.
Yvonne T. Driscoll, M.D.
T. Donald Eisenstein, M.D.
Ingrid A. Fitz-James, M.D.
Joseph W. Gaffney, M.D.
Narmer F. Galeano, M.D.
Gustave Gavis, M.D.
Melanie Gissen, M.D.
Stephen Glaser, M.D.
Hazel Goodwin, M.D.
Bertram H. Grossman, M.D.
Elisabeth B. Guthrie, M.D.
Robert A. Hands, M.D.
Catherine A. Hansen, M.D.
Richard Jay Hershcopf, M.D.
Mary Nathan B. Horlick, M.D.
Daphne T. Hsu, M.D.
Lisa F. Imundo, M.D.
Emily Jackness, M.D.
Ram. Kairam, M.D.
Leonard Kasen, M.D.
Stuart Kaufman, M.D.
Diane Kerstein, M.D.
Maryanne R. Kichuk, M.D.
Robert M. Klein, M.D.
Anastassios C. Koumbourlis, M.D.
Murray D. Kuhr, M.D.
Betty Chi Mei Lee Kuo, M.D.
Elaine C. Lee, M.D.
William Lee, M.D.
Donald A. Leichter, M.D.
Suzanne C. Li, M.D.
Carolkay Lissenden, M.D.
Neil Lombardi, M.D.
Judith L. Luskin, M.D.
Zvi S. Marans, M.D.
Mary J. Marron-Corwin, M.D.
Terry M. Marx, M.D.
Mary M. McCord, M.D.
Steven Z. Miller, M.D.
Neil L. Minikes, M.D.
Evelyn Montalvo, M.D.
Carlos H. Montoya-Iraheta, M.D.
Thomas A. Moulton, M.D.
Mervat Nassef, M.D.
Stephen W. Nicholas, M.D.
Charles A. Nichter, M.D.
Luis C. Nina-Ortega, M.D.
Celia Ores, M.D.
James F. Pelegano, M.D.
Betsy Pfeffer, M.D.
David J. Resnick, M.D.
Adrienne R. Rogers, M.D.
Alan Ross, M.D.
Boris Rubinstein, M.D.
Rakesh Sahni, M.D.
Lisa Saiman, M.D.
Nan R. Salamon, M.D.
Ulana M. Sanocka, M.D.
William S. Schechter, M.D.
Malcolm S. Schwartz, M.D.
Margaret A. Schwarz, M.D.
McColvin Scott, M.D.
Robert L. Seigle, M.D.
Kung-Tso Sheng, M.D.
David Siegler, M.D.
Eric T. Skolnick, M.D.
Arthur J. Smerling, M.D.
David E. Solowiejczyk, M.D.
Karen Soren, M.D.
Susan Spear, M.D.
Lena S. Sun, M.D.
Donna M. Timchak, M.D.
Helen M. Towers, M.D.
Benjamin H. Tsang, M.D.
Max Van Gilder, M.D.
Elizabeth A. Wedemeyer, M.D.
Michael Weiner, M.D.
Carol L. Williams, M.D.
David H. Wisotsky, M.D.
Howard A. Zucker, M.D.

Associate Pediatricians

Howard D. Apfel, M.D.
Heidi E. Beutler, M.D.
Margaret Burroughs, M.D.
Lilian W. Chiu, M.D.
Maryann J. Colenda, M.D.
John Louis Costa, M.D.
Ann L. Engelland, M.D.
Alan I. Kanter, M.D.
Mariellen M. Lane, M.D.
Peter F. Migel, M.D.
Carlyn A. Oppedisano, M.D.
I. Jill Ratner, M.D.
Martin M. Rodriguez-Ema, M.D.
Barbara E. Strassberg, M.D.
Lynn M. Sugarman, M.D.
Nikki L. Timko, M.D.
Mary G. Versfelt, M.D.
Margaret C. Wang, M.D.

Assistant Pediatricians

Francis A. Akita, M.D.
Anne H. Armstrong-Coben, M.D.
Donna J. Better, M.D.
Scott D. Bookner, M.D.
Dennis A. Brown, M.D.
Maury Buchalter, M.D.
Stuart J. Danoff, M.D.
Peter Samuel Dayan, M.D.
Gary S. Edelstein, M.D.
Gloria T. Edis, M.D.
Bernard Etra, M.D.
Lea A. Fasano, M.D.
Howard M. Friedman, M.D.
Ruth L. Gold, M.D.
Debra Lee Goldenring, M.D.
Aurora L. Gonzales, M.D.
Charles R. Gordon, M.D.
Bruce M. Henry, M.D.
Jesus C. Jaile, M.D.
Jose R. Jerez, M.D.
Alissa S. Keschner, M.D.
Rosemary E. Klenk, M.D.
Bernardo Kraselnik, M.D.
Francois Roosevelt Lamarre, M.D.
Dorothy A. Levine, M.D.
Jennifer L. Longobardi, M.D.
Roger F. Lucas, M.D.
Robert A. Manduley, M.D.
Judith Rose Marcus, M.D.
Dodi D. Meyer, M.D.
Pleno Moise, M.D.

Valerie J. Niketakis-Wujc, M.D.
Brianne E. O'Connor–Santa, M.D.
Carlos R. Perel, M.D.
Laura E. Robbins-Milne, M.D.
Fernando O. Rodriguez, M.D.
Rosalinda Rubinstein, M.D.
Douglas B. Savino, M.D.
Gail Schewitz, M.D.
Paula M. Silverman, M.D.
Barney Softness, M.D.
F. Meridith Sonnett, M.D.
Thomas Spentzas, M .D.
John R. Stafford, M.D.
Mindy Stimell–Rajch, M.D.
Hope B. Tang, M.D.
Juan Tapia-Mendoza, M.D.
Arsenio Miguel Tio, M.D.
Shiu-Lin Tsai, M.D.
Alan P. Winkler, M.D.
Karen Wu, M.D.

Clinical Assistant Pediatricians

Hany E. Aly, M.D.
Roberto Ayres, M.D.
Grace Becz, M.D.
Alok Bhutada, M.D.
Subhasree Datta–Bhutada, M.D.
Alan M. De Klerk, M.D.
Michelle L. Goldberg, M.D.
Dorit Kaluski, M.D.
Usha S. Krishnan, M.D.
Steven J. Lobritto, M.D.
Sonya Asha Misra, M.D.
Natalie Neu, M.D.
Beverley J. Sheares, M.D.

Assistant Professional In Pediatrics

Nyla Claire Lamm, Ed.D.

PHARMACOLOGY

Full Professional Pharmacologist

Brian F. Hoffman, M.D.

PSYCHIATRY

Director Of Service

Herbert Pardes, M.D.

Attending Psychiatrists

Miron Baron, M.D.
Anne E. Bernstein, M.D.
Hector Bird, M.D.
James L. Curtis, M.D.
Richard G. Druss , M.D.
Harlow D. Dunton, M.D.
Ronald R. Fieve, M.D.
Archie R. Foley, M.D.
Abby Fyer, M.D.
Richard A. Gardner, M.D.
Alexander H. Glassman, M.D.
Robert A. Glick, M.D.
Murray Glusman, M.D.
Jack M. Gorman, M.D.
Arthur Green, M.D.
Joseph Jaffe, M.D.
Frederic I. Kass, M.D.
Clarice J. Kestenbaum, M.D.
Herbert D. Kleber, M.D.
Donald F. Klein, M.D.
Donald S. Kornfeld, M.D.
Alexander N. Levay, M.D.
Stephan J. Levitan, M.D.
Michael R. Liebowitz, M.D.
Roger MacKinnon, M.D.
J. John Mann, M.D.
Eric R. Marcus, M.D.
John M. Oldham, M.D.
Lewis A. Opler, M.D.
Ethel S. Person, M.D.
Frederic M. Quitkin, M.D.
John D. Rainer, M.D.
Ronald O. Rieder, M.D.
Steven P. Roose, M.D.
James H. Ryan, M.D.
David Shaffer, M.D.
Andrew E. Skodol, II, M.D.
Henry I. Spitz, M.D.
Robert L. Spitzer, M.D.
B. Timothy Walsh, M.D.
Ralph N. Wharton, M.D.

Associate Attending Psychiatrists

Stan D. Arkow, M.D.
Robinette N. Bell, M.D.
Raymond Bernick, M.D.
Stanley Bone, M.D.
Edward N. Brennan, M.D.
Ian A. Canino, M.D.
William J. Chambers, M.D.
Francine Cournos, M.D.
Carolyn J. Douglas, M.D.
Jennifer Downey, M.D.
Paula Eagle, M.D.
David Forrest, M.D.
Mindy T. Fullilove, M.D.
Iona H. Ginsburg, M.D.
Laurence L. Greenhill, M.D.
Ewald Horwath, M.D.
Steven E. Hyler, M.D.
David A. Kahn, M.D.
Lila J. Kalinich, M.D.
Charles A. Kaufmann, M.D.
Neil B. Kavey, M.D.
Jules Kerman, M.D.
Thomas Kranjac, M.D.
Burton A. Lerner, M.D.
Owen W. Lewis, M.D.
Patrick J. McGrath, M.D.
Lisa Ann Mellman, M.D.
Donna L. Moreau, M.D.
Philip R. Muskin, M.D.
David D. Olds, M.D.
Laszlo A. Papp, M.D.
Jeffrey M. Pines, M.D.
Seymour C. Post, M.D.
Jules M. Ranz, M.D.
Pellegrino J. Sarti, M.D.
Franklin R. Schneier, M.D.
Eleanor S. Schuker, M.D.
Jonathan M. Silver, M.D.
Gloria Stern, M.D.
Ellen Stevenson, M.D.
Jonathan W. Stewart, M.D.
Ezra Susser, M.D.
Agnes H. Whitaker, M.D.
Daniel T. Williams, M.D.

Assistant Attending Psychiatrists

Stewart L. Adelson, M.D.
Geary E. Ahern, M.D.
Lawrence Victor Amsel, M.D.
Jorge L. Armenteros, M.D.
Evelyn Attia, M.D.
Athanasia Balkoura, M.D.
Ina Becker, M.D.
Adriane R. Birt, M.D.
Richard Brockman, M.D.
Richard P. Brown, M.D.
Deborah S. C baniss, M.D.
Paul F. Califano, M.D.
Eve Caligor, M.D.
Raphael B. Campeas, M.D.
Sabrina Cherry, M.D.
Harvey R. Chertoff, M.D.
Scott C. Clark, M.D.
Susan R. Clarvit, M.D.
Daniel E. Cohen, M.D.
Lee S. Cohen, M.D.
Siobhan M. Coomaraswamy, M.D.
Janis L. Cutler, M.D.
Lisa Deutscher, M.D.
Michael J. Devlin, M.D.
Lourdes M. Dominguez, M.D.
Stephen J. Donovan, M.D.
Robert M. Elvove, M.D.
Charles F. Entelis, M.D.
Katherine Falk, M.D.
Brian A. Fallon, M.D.
Tovah Feldhammer, M.D.
Alan D. Felix, M.D.
Sharon Fingeroth, M.D.
Michael B. First, M.D.
James W. Flax, M.D.
Eugene A. Friedberg, M.D.
Cathy J. Friedman, M.D.
Lee R. Gardner, M.D.
Janice L. Gelfand, M.D.
Nannette Goldstein, M.D.
Rosalie Greenberg, M.D.
Kenneth Greenspan, M.D.
Elisabeth B. Guthrie, M.D.
Robin M. Hamilton, M.D.
Deborah S. Hamm, M.D.
Harvey M. Hammer, M.D.
Deena R. Harris, M.D.
Julie A. Hatterer, M.D.
Jennifer F. Havens, M.D.
Michelle L. Hirsch, M.D.
Joel S. Hoffman, M.D.
Rolando Y. Hong, M.D.
Andrew Hornstein, M.D.
Charita C. Hoyle-Parr, M.D.
Gerald I. Hurowitz, M.D.
Lorraine Innes, M.D.
Wynn K. Jackson, M.D.
Jonathan A. Javitch, M.D.
Christopher M. Johannet, M.D.
Sherry P. Katz-Bearnot, M.D.
Bonnie S. Kaufman, M.D.
H. David Kellman, M.D.
Robert Kertzner, M.D.
Stuart B. Kleinman, M.D.
Richard B. Krueger, M.D.
Lucy B. LaFarge, M.D.
Peter Laderman, M.D.
Eve Leeman, M.D.
Leon Lefer, M.D.
Naomi Leiter, M.D.
Jon A. Levenson, M.D.
Frances R. Levin, M.D.
David C. Lindy, M.D.
Louis S. Linfield, M.D.
Laurence S. Lorefice, M.D.
Andrew C. Lotterman, M.D.
Christopher Paul Lucas, M.D.
Dolores Malaspina, M.D.
Kevin M. Malone, M.D.
Henry L. McCurtis, M.D.
David M. McDowell, M.D.
Robert D. McMullen, M.D.
Joanne Moore, M.D.
Roger S. Nathaniel, M.D.

Lourdes Neugart, M.D.
Mitchell S. Nobler, M.D.
Edward V. Nunes, Jr., M.D.
Maria A. Oquendo, M.D.
Marian A. Ormont, M.D.
Louis Padovano, M.D.
Patricio Paez, M.D.
Paula G. Panzer, M.D.
Bruce James Parsons, M.D.
Cynthia Perry, M.D.
Patricia M. Powell, M.D.
Joan Prudic, M.D.
Justin Richardson, M.D.
Jeffrey S. Rosecan, M.D.
Jane L. Rosenthal, M.D.
Lyle E. Rosnick, M.D.
Eric Rubin, M.D.
Boris Rubinstein, M.D.
John A. Sahs, M.D.
J. Arturo Sanchez-Lacay, M.D.
Diana P. Sandberg, M.D.
Morton B. Sarlin, M.D.
Murray D. Schane, M.D.
Helen L. Schleimer, M.D.
Holly A. Schneier, M.D.
Karl J. Schroeder, M.D.
Anna R. Schwartz, M.D.
Mary Sciutto, M.D.
Anne P. Sellew, M.D.
Peter A. Shapiro, M.D.
Tara L. Sherman, M.D.
Meriamne B. Singer, M.D.
Jonathan A. Slater, M.D.
Mark F. Sorensen, M.D.
Frieda H. Spady, M.D.
Margaret G. Spinelli, M.D.
Laurie A. Stevens, M.D.
David H. Strauss, M.D.
Nina L. Toshav, M.D.
Eleanor Townsend, M.D.
Paul D. Trautman, M.D.
Sacha Michel Vington, M.D.
Leslie R. Vogel, M.D.
Adella Wasserstein, M.D.
David Weng, M.D.
Ilona Wiener, M.D.
Ronald M. Winchel, M.D.
Lillian R. Wong-Ryan, M.D.
Andrew Hull Yood, M.D.
Yoram Yovell, M.D.

Associate Psychiatrists

Gurston D. Goldin, M.D.
Phyllis B. Robbins, M.D.

Assistant Psychiatrists

Joanne H. Ahola, M.D.
Christopher Allegra, M.D.
Carlos E. Almeida, M.D.
Eric Jay Bartky, M.D.
Mary E. Bongiovi, M.D.
Catharine S. Buttinger, M.D.
Eduardo A. Costantino, M.D.
Ione De Jesus, M.D.
Sarah J. Fox, M.D.
Ron G. Goldman, M.D.
Lauren K. Gorman, M.D.
Ruth L. Graver, M.D.
Margaret I. Hamilton, M.D.
Sarah L. Hartman, M.D.
Kaia M. Heimarck, M.D.
Joseph Carl Jean-Francois, M.D.
Nancy Joachim, M.D.
Judith L. Lewis, M.D.
Tamara L. Lipshie, M.D.
Elizabeth Mary Mirabello, M.D.
Robert Moreines, M.D.
Yvanka L. Pachas, M.D.
Ilene Rabinowitz, M.D.
Carlos Rutz, M.D.
Beth K. Scharfman, M.D.
Veronika Solt, M.D.
Susan C. Vaughan, M.D.
Jane E. Zirin, M.D.

Clinical Assistant Psychiatrists

Eric D. Collins, M.D.
Pamela Y. Collins, M.D.
Pedro L. Dago, M.D.
Janet M. Fairbanks, M.D.
Janet Johnson, M.D.
Lawrence Kegeles, M.D.
Lidia Lidagoster, M.D.
Sarah H. Lisanby, M.D.
Randall D. Marshall, M.D.
Daniel S. Pine, M.D.
David J. Printz, M.D.
Santhi Sagar Ratakonda, M.D.
Mehmet Tosyali, M.D.
Bruce D. Waslick, M.D
Susan I. Wolk, M.D.
Robert Lawrence Wolski, M.D.

Full Professional Psychologists

Anke Ehrhardt, Ph.D.
Rachel Gittelman Klein, Ph.D.
Heino F. Meyer-Bahlburg, Ph.D.
Gail A. Wasserman, Ph.D.

Associate Professional Psychologists

Gordon Ball, Ph.D.
Robert H. Dworkin, Ph.D.
Kenneth A. Frank, Ph.D.
Wilma Rosen, Ph.D.

Assistant Professional Psychologists

Goldie Alfasi, Ph.D.
Elizabeth Auricchio, Ph.D.
Ivan Bresgi, Ph.D.
Susan P. Brinkworth, Ph.D.
Clare E. Cosentino, Ph.D.
Victor Delacancela, Ph.D.
Walter I. Gadlin, Ph.D.
Richard W. Gaines, Ph.D.
Mark Gerald, Ph.D.
Ethan E. Gorenstein, Ph.D.
Kenneth S. Gorfinkle, Ph.D.
Rita Haggerty, Ph.D.
Helen Hanesian, Ph.D.
Jonathan F. Katz, Ph.D.
Deborah Liner, Ph.D.
Claude Ann Mellins, Ph.D.
Laurie S. Miller, Ph.D.
Laura Mufson, Ph.D.
Kathleen Pike, Ph.D.
Anne Putzel, Ph.D.
Carmen Rodriguez, Ph.D.
Christina A. Sobin, Ph.D.

Assistant Professional Psychologists

Miri G. Abramis, Ph.D.
Michelle A. Collins, Ph.D.
Nancy Fleisher, Ph.D.
Mark F. Kuras, Ph.D.
Alexis E. Menken, Ph.D.
Daniel F. Seidman, Ph.D.
Nechama Sorscher, Ph.D.
Gregg Ury, Ph.D.
Lucy A. Wicks, Ph.D.

RADIATION ONCOLOGY

Director Of Service

Peter B. Schiff, M.D.

Associate Attending Radiation Oncologists

Karen S. Fountain, M.D.
Mary K. Hayes, M.D.
Steven R. Isaacson, M.D.

Assistant Attending Radiation Oncologist

Ronald D. Ennis, M.D.

Assistant Radiation Oncologists

Leslie M. Lubich, M.D.
John Rescigno, M.D.

Full Professional Radiation Biologists And Biophysicists

Howard I. Amols, Ph.D.
Eric John Hall, Ph.D.

Associate Professional Physicist

Cheng Shie Wuu, Ph.D.

Assistant Professional Physicists

Michael Jay Bardash, Ph.D.
Frieda Trichter, Sc.D.

RADIOLOGY

Director Of Service

Philip O. Alderson, M.D.

Attending Radiologists

John Austin, M.D.
Walter E. Berdon, M.D.
Yahya M. Berkmen, M.D.
Lawrence M. Boxt, M.D.
Robert Louis Delapaz, M.D.
Jack Farman, M.D.
Rashid Fawwaz, M.D.
Frieda Feldman, M.D.
Donald L. King, M.D.
Eric C. Martin, M.D.
Jeffrey H. Newhouse, M.D.
Theodore Robinson, M.D.
Alan J. Silver, M.D.
Ronald L. Van Heertum, M.D.

Associate Attending Radiologists

Ronda S. Bixon, M.D.
Alexander G. Khandji, M.D.
Karen J. Laffey, M.D.
Herman Lubetsky, M.D.
John Pile-Spellman, M.D.
Carrie B. Ruzal-Shapiro, M.D.
Suzanne J. Smith, M.D.
Ronald B. Staron, M.D.

Assistant Attending Radiologists

Stephen Chan, M.D.
Lynn Chinitz, M.D.
Judith A. Fayter, M.D.

Leah P. Gruss, M.D.
Lotfi Hacein-Bey, M.D.
Yong H. Hahn, M.D.
Helen M. Higgins, M.D.
Terry L. Levin, M.D.
Denise M. Mc Carthy, M.D.
William Sloane Millar, M.D.
Theodore T. Miller, M.D.
H. Charles Pfaff, M.D.
Eliza E. Pile-Spellman, M.D.
Tae Hyon Rho, M.D.
Benjamin M. Romney, M.D.
Ellen Silverstein, M.D.
Steven N. Sireci, M.D.
Joseph Tuvia, M.D.
Alicia Zwass, M.D.

Clinical Assistant Radiologists

Richard R. Barbu, M.D.
David Chun, M.D.
Dinh Hoang Duong, M.D.
Elizabeth W. Lazzara, M.D.
Carrie Christina Morrison, M.D.
David H. Noble, M.D.
Anna Rozenshtein, M.D.
Gary P. Siskin, M.D.
Gail E. Starr, M.D.
Jonathan J. Uy, M.D.
Peter J. Wynne, M.D.

Full Professional Physicists

Peter D. Esser, Ph.D.
Eric John Hall, Ph.D.
Edward L. Nickoloff, Sc.D.

Associate Professional Radionuclide Pharmacist

Theodore Wang, Ph.D.

Assistant Professional Chemist

In K. Mun, Ph.D.

REHABILITATION MEDICINE

Director Of Service

James Sanford Lieberman, M.D.

Attending Rehabilitation Physicians

Yasoma B. Challenor, M.D.
Sanders W. Davis, M.D.
John Alexander Downey, M.D.
Stanley J. Myers, M.D.

Associate Attending Rehabilitation Physicians

Arun K. Bhattacharyya, M.D.
Antonio Cocchiarella, M.D.
Francis J. Foca, M.D.

Assistant Attending Rehabilitation Physicians

Nelson Colon, M.D.
Mary Guarracini, M.D.
Donald Liss, M.D.
Howard Liss, M.D.
Brenda S. Mallory, M.D.
Zachary M. Pine, M.D.
Gale Pugliese, M.D.
Nancy E. Strauss, M.D.

Assistant Rehabilitation Physicians

Elizabeth A. Baker, M.D.
Matthew N. Bartels, M.D.
James N. Dillard, M.D.
Dorota M. Gribbin, M.D.
Jerrold L. Kaplan, M.D.

Assistant Professional Physical Therapists

Claire C. Bassile, Ed.D.
Patricia A. Miller, Ph.D.
Christine R. Wade, Ph.D.

SURGERY

Director Of Service

Eric A. Rose, M.D.

Attending Surgeons

R. Peter Altman, M.D.
David T. Chiu, M.D.
Kenneth A. Forde, M.D.
Harold P. Freeman, M.D.
Mark A. Hardy, M.D.
Norman E. Hugo, M.D.
David W. Kinne, M.D.
Paul Lo Gerfo, M.D.
Alfred M. Markowitz, M.D.
Roman Nowygrod, M.D.
Soji F. Oluwole, M.D.
Keith Reemtsma, M.D.
John N. Schullinger, M.D.
Henry M. Spotnitz, M.D.
Charles J. Stolar, M.D.
Donald Wood-Smith, M.D.
Bashir A. Zikria, M.D.

Associate Attending Surgeons

Alan I. Benvenisty, M.D.
David Bregman, M.D.
Arthur Cooper, M.D.
Alison Estabrook, M.D.
Peter L. Geller, M.D.
Alfred Jaretzki, III, M.D.
Peter S. Liebert, M.D.
Jan M. Quaegebeur, M.D.
Craig R. Smith, M.D.
Kenneth M. Steinglass, M.D.
George J. Todd, M.D.
Michael R. Treat, M.D.

Assistant Attending Surgeons

M. Kamel Abouzahr, M.D.
Spencer E. Amory, M.D.
Ted Chaglassian, M.D.
Claire Chase, M.D.
David Lewis Friedman, M.D.
Rajinder P. Gandhi, M.D.
Ganepola A.P. Ganepola, M.D.
Paul H. Gerst, M.D.
Mark E. Ginsburg, M.D.
Lyall A. Gorenstein, M.D.
Leif O. Holgersen, M.D.
Jessica J. Kandel, M.D.
Zirabamuzaal Joseph Kazigo, M.D.
Michael Kazim, M.D.
Anne B. Krementz, M.D.
Robert E. Michler, M.D.
Michael P. Moore, M.D.
Fredric A. Newman, M.D.
Ronald N. Ollstein, M.D.
Mehmet C. Oz, M.D.
Werner Roeder, M.D.
Freya R. Schnabel, M.D.
Howard W. Siegel, M.D.
Paul M. Starker, M.D.
Steven Stylianos, M.D.
Mark Sultan, M.D.
Richard L. Whelan, M.D.
Jeffrey L. Zitsman, M.D.

Associate Surgeon

Pierre G. Van Bockstaele, M.D.

Assistant Surgeons

Jeffrey A. Ascherman, M.D.
John A. Chabot, M.D.
Mark E. Galantowicz, M.D.
A. Douglas Heymann, M.D.
Salomon Rivera, M.D.
Michael H. Rosenberg, M.D.
Norman Sas, M.D.
Edward Shumofsky, M.D.

Clinical Assistant Surgeon

Antonio Panza, M.D.

UROLOGY

Director Of Service

Carl A. Olsson, M.D.

Attending Urologists

Mitchell C. Benson, M.D.
Terry W. Hensle, M.D.
Peter J. Puchner, M.D.
Roberto E. Reid, M.D.
Nicholas A. Romas, M.D.

Associate Attending Urologists

Kevin A. Burbige, M.D.
Bhagwant Gill, M.D.
Eliahu Laor, M.D.
Frank W. Longo, M.D.
Myron S. Roberts, M.D.
Ihor Sawczuk, M.D.
Bhupendra M. Tolia, M.D.

Assistant Attending Urologists

John D. Birkhoff, M.D.
John P. Connor, M.D.
Jose De Jesus Contreras, M.D.
Peter N. De Sanctis, M.D.
Harry Fisch, M.D.
Gerald P. Hoke, M.D.
Aaron E. Katz, M.D.
David G. Kaufman, M.D.
Joseph Putignano, M.D.
Simon Saada, M.D.
Ridwan Shabsigh, M.D.
Alexis E. Te, M.D.
Michael H. Wechsler, M.D.

Assistant Urologists

Luis M. Abreu, M.D.
Ben Z. Jacobs. M.D.
Steven A. Kaplan, M.D.
Edward N. Moss, M.D.
Brian A. Stone, M.D.

Clinical Assistant

Richard P. Santarosa, M.D.

DEVELOPMENT PROGRAMS at The Presbyterian Hospital experienced a banner year in 1995, with cash gifts totaling more than $27 million — an increase of approximately 70 percent over 1994. According to Richard Kearns, Senior Vice President and Chief Development Officer, much of the credit for this increase should go to Mr. and Mrs. Herbert Irving, who have pledged $12 million to fund the creation of a new cancer facility — the Herbert Irving Cancer Center. "Gifts of this nature have the added benefit of motivating and raising the sights of other potential donors," says Mr. Kearns.

The Capital Campaign continues to be the focal point for much of Development's activity. With the 1995 year-end total reaching $116 million, expectations have been raised even further; the campaign goal has been boosted from $150 million to $200 million, and the period of solicitation extended through the year 2000.

As a part of Presbyterian's revitalized annual appeal, friends of the Hospital are being encouraged to join the James Lenox Society, a select group of contributors who make annual, unrestricted gifts of $1,000 or more. These revitalization efforts have been well received, with Society members benefiting from exclusive invitations to special events, at which insights into the Hospital's latest initiatives are shared.

The annual Gala lived up to its tradition as a major fundraising event, thanks this year to a wonderful performance by the legendary Aretha Franklin and the volunteer efforts of Gala co-chairs Ellen Levine and Elisabeth Tretter. More than $1.7 million was raised.

But the close of 1995 does not mean the end of good news. In addition to securing the Beach Boys to perform at the 1996 Gala, the Hospital has been notified of several substantial estate gifts that are forthcoming.

The Presbyterian Hospital in the City of New York gratefully acknowledges the generosity of the many individual, corporate and foundation donors whose 1995 gifts and pledges have helped to keep the Hospital at the forefront of academic medicine.

$1 million and above

Mr. Herbert Allen
Mr. and Mrs. Herbert Irving
Milstein Family Foundation, Inc.
Mr. and Mrs. Paul Milstein
Sidney J. Weinberg, Jr. Foundation

$500,000-999,999

Estate of Margaret G. Deal
Henry and Lucy Moses Fund, Inc.
Penzance Foundation

$100,000-499,999

Mr. and Mrs. Oded Aboodi
Estate of Eileen Bamberger
The Henry and Shirlee Benach Foundation
The Gladys Brooks Foundation
Estate of William E. Buckley
Mr. and Mrs. Daniel B. Burke
Chase Manhattan Bank N.A.
Columbia University
Consolidated Edison Company
Mr. and Mrs. James Daly
The Ira W. DeCamp Foundation
Estate of Paul Diethelm
General Electric Company
Mrs. Edward H. Gerry
Mr. and Mrs. David Helpern
Howmedica, Inc.
Estate of Walter Guest Kellogg
Estate of William Robert Keyes
The Jacob and Valeria Langeloth Foundation
Mr. and Mrs. John J. Mack
Estate of Antonie Mautner
McKeen Fund
The William F. Quarrie Trust
Harry M. Ringel Memorial Fund
Estate of Frank Rosenbaum
Mr. Howard Stringer and Dr. Jennifer Patterson
Estate of Frederic Wachsmann

$50,000-99,999

Anonymous
Estate of Max Bamberger
Mr. and Mrs. Walid Chammah
Mr. and Mrs. Thomas L. Chrystie
The William Fox, Jr. Foundation
Estate of Eleanor T. Gehrig
Mr. and Mrs. David A. George
The Horace W .Goldsmith Foundation
Mr. John P. Havens
The Hearst Corporation
Estate of Harold E. Hirsch
Johnson & Johnson
Dr. Ralph C. Marcove
The Margolis Foundation, Inc.
Marriott International Inc.
Mr. and Mrs. Robert W. Matschullat
Abby Mauze Charitable Trust
Mead Johnson & Co.
Mr. and Mrs. Craig S. Phillips
The Margaret and Frank Stinchfield Foundation
United Hospital Fund of New York

$25,000-49,999

Mary A. Ackermann Trust
Anonymous
The Antz Foundation
The Anya Foundation
Mr. and Mrs. Robert H. B. Baldwin
The Beinecke Foundation, Inc.
Bristol-Myers Squibb Company
Dr. and Mrs. Robert E. Carroll
The Chace Fund, Inc.
Estate of Eugenie Chapen
The John Conley Foundation
Jon S. and Joanne D. Corzine Foundation
The Crane Fund for Widows
Mr. and Mrs. Ernesto Cruz
Emigrant Savings Bank
Leo and Julia Forschheimer Foundation
Mr. and Mrs. Alan Jay Fuirst
Mr. and Mrs. Neal S. Garonzik
Sol and Lillian Goldman Foundation, Inc.
Estate of Robert S. Gordon
Gregory and Freda B. Halpern
Estate of Marjorie R. Ingalls
Mr. Richard L. Kauffman
Mr. Kevin Kennedy
Kneisel Foundation, Inc.
The Marmot Foundation
The Merck Company Foundation
Estate of Isabella Goff Metcalf
Mr. Robert Metzler
Morgan Stanley Foundation
Mr. and Mrs. Anthony J. Pace

Mr. and Mrs. Vikram S. Pandit
Mr. and Mrs. Gordon B. Pattee
Mr. Charles D. Peebler, Jr.
Mr. and Mrs. Michael L. Rankowitz
Schering Sales Corporation
Estate of Gilbert Sealfon
Mr. and Mrs. Dwight D. Sipprelle
Mr. and Mrs. Michael Spector
Mr. and Mrs. Edward H. Streim
Estate of Raymond R. Tobler
Mr. and Mrs. Lawrence B. Van Ingen
Frederick and Theresa Dow Wallace Fund
Estate of Charles J. Ward
Wells Rich Greene BDDP, Inc.
Wyeth-Ayerst Research

$10,000-24,999

Mr. and Mrs. James M. Allwin
American Exploration Co.
American Home Products Corp.
Mr. and Mrs. Jon A. Anda
Mr. and Mrs. Mark Andrews
Mr. and Mrs. Philip Andryc
Dr. Laxmi V. Baxi
Baxter Healthcare Corp.
Berlex Laboratories, Inc.
Mr. and Mrs. Warren Berliner
The H. S. Black & A. Fuller Fund
Mr. and Mrs. Walter S. Bopp
Bozell Worldwide, Inc.
Mr. Arturo J. Brillembourg
Mr. Gilbert Butler
Capital Cities/ABC, Inc.
Mr. and Mrs. Robert Carmel
The Carmel Hill Fund
Mr. and Mrs. Richard R. Castellano
Mr. and Mrs. Howard L. Clark
Mr. and Mrs. Howard L. Clark, Jr.
Mr. W. Thomas Clark
Dr. Frank A. Cordasco
The Corso Family Foundation
CPC International, Inc.
De Forest & Duer
The Geraldine R. Dodge Foundation, Inc.
Mr. and Mrs. Richard C. Dresdale
Ellen Tracy, Inc.
Engelhard Hanovia, Inc.
Mr. Robert B. Feduniak
Mr. and Mrs. Louis Flanzer
Ms. Melanie J. Fleming
Florist's Transworld Delivery
Dr. Bernard German
GNYHA Ventures, Inc.
Mrs. Robert G. Goelet
Mr. and Mrs. Arthur M. Goldberg
Mr. Sherlock Hibbs
Mr. and Mrs. Leslie Townes Hope
HRH Construction Corp.
Mr. and Mrs. James B. Hurlock
Dr. Hilda Y. Hutcherson
Karen A. & Kevin W. Kennedy Foundation
KPMG Peat Marwick LLP
Lawrence, O'Donnell, Marcus & Co.
Dr. Joseph P. Leddy
The Polly Annenberg Levee Charitable Trust
Ms. Barbara Levy
Mr. Bernard L. Madoff
Mr. Frank L. Mansell
Mr. and Mrs. William F. May
McKinsey and Company, Inc.
Merrill Lynch & Company Foundation
Metpath Inc.
Constance Milstein, Esq.
Mr. and Mrs. Donald Moore, Jr.
Edward S. Moore Foundation, Inc.
Mr. William C. Morris
New York Race for the Cure
Mr. and Mrs. William F. O'Leary
Mr. and Mrs. Timothy J. O'Neill
OFFITBANK
Oxford Health Plans, Inc.
Parkinsons Disease Foundation
The George W. Perkins Memorial Foundation
Pfizer, Inc.
The Prudential Foundation
Prudential Insurance Company
Mr. and Mrs. E. Robert Roskind
Lewis and Ali Sanders Charitable Fund
S.H. and Helen R. Scheuer Family Foundation, Inc.
Ms. Kathleen Brady Schiffer
Estate of Saul Shapiro
Dr. and Mrs. Daniel H. Smith
Dr. and Mrs. Howard W. Smith
The Billy Smithline Foundation, Inc.
Spear, Leeds & Kellogg
Drs. William and Phoebe Speck
Ms. Margaret W. Spofford
Starlight Foundation
Mr. Joel Stolz
Stanley & Doris Tananbaum Foundation
Thacher, Proffitt & Wood
Tiffany & Co.
Mr. and Mrs. John N. Tognino
Mr. and Mrs. Alexander F. Treadwell
Dr. and Mrs. Wolfgang Tretter
Mr. and Mrs. Wylie F. L. Tuttle
The Vanneck-Bailey Foundation
Walter Lorenz Surgical, Inc.
Dr. Richard A. Weiss
Mr. Jerome C. Wood
W. P. Stewart & Co., Inc.
XTRA Corporation

$5,000-9,999

Abbott Laboratories Fund
Access Securities, Inc.
American Express Philanthropic Program
American Express Travel Related Services, Inc.
Mr. David G. Baird, Jr.
Mr. Martin A. Battestin
Mr. and Mrs. Michel F. Baumeister
Mr. and Mrs. Robert H. Berkley
Bloomberg Financial Markets
Mrs. H. Lawrence Bogert, Jr.
Mr. Walter Burke
Capital Guardian Trust Company
Carter-Wallace, Inc.
Joe & Trina Cayre Foundation, Inc.
CBS Foundation Inc.
The Charles Schwab Corporation
Mr. and Mrs. James McConnell Clark
Dorothy Rodbell Cohen
Cosentini Associates
Design Industries Foundation
Edison Parking Corp.
Edwards Super Food Stores
The Charles Engelhard Foundation
Mr. and Mrs. Max M. Fisher
Ms. Janice E. Flanzer
Mr. Harry M. Fleisch
Ms. Margaret E. Foulds
The Frelinghuysen Foundation
Furniture Consultants, Inc.
The General Motors Corporation
Mr. and Mrs. Jay Sheldon Goldsmith
Grey Advertising, Inc.
Jason F. Gruen Research Foundation
Ms. Josephine F. Gulamerian
Ms. Marilyn J. Gull
Mr. and Mrs. F. Isaac Hakim
Mr. and Mrs. Andrew J. Hall
Mr. and Mrs. Arthur J. Hedge, Jr.
Home Box Office Inc.
Mr. Henry H. Hoyt, Jr.
Dr. Nabil W. Husami
Estate of Stephen L. Hyatt
Jacobson Foundation
Mr. and Mrs. Robert L. James
Johnson and Higgins, Inc.
J & S Heidenberg Foundation, Inc.
J.P. Morgan & Co., Inc.
Mr. James R. Kennedy
Mr. and Mrs. Thomas B. Ketchum
Mrs. Rose M. Knochel
Mr. and Mrs. Sidney Lapidus
Dr. Andrew Loucopoulos
Mainco Elevator Services Co.
The William J. Matheson Foundation
McAloon & Friedman, P.C.
McCann-Erickson USA, Inc.
Mr. James S. McEntegart
Medical Outreach for Armenians, Inc.
Menagh, Trainor, Mundo & Falcone, P.C.
Metropolitan Hardlines
Dr. Roslyn Milstein Meyer
Dr. Christopher B. Michelsen
Mr. Harold J. Miller
Henrietta and Monroe Milstein
Mr. and Mrs. John J. Minio
Morgan Stanley & Co., Inc.
Morse Diesel International
The New York Times Company
The Abby & George O'Neill Trust
Mr. and Mrs. Dennis Oakes
Ogilvy & Mather
Mr. John A. Pancetti
Mr. Michael S. Pritula
Proskauer, Rose, Goetz & Mendelsohn, L.L.P.
Mrs. Edith S. Quintana
Mr. and Mrs. John P. Rankin
Dr. Gladys Rashkoff
Revlon Consumer Products Corporation
Rochman, Platzer & Fallick
Mr. and Mrs. Irving Sager
Ms. Nancy Saipe
Mr. and Mrs. Michael Schneeweiss
Mr. and Mrs. Peter William Schweitzer
The Nate B. & Frances Spingold Foundation, Inc.
Mr. and Mrs. Andrew D. Stone
Lt. Col. and Mrs. William L. Stoumbaugh
Mr. and Mrs. Joel Sussman
Tele-TV Systems
Ms. Labelle Tenenbaum
Titan Industrial Foundation, Inc.
Titan Trading Company
Mr. and Mrs. Trygve Tonnessen
United States Aviation
Unity Electric Co., Inc.
USA Network
Ms. Elita C. Wadmond
Marilyn S. & Robert F. Weinberg Foundation, Inc.
Yeager, Wood & Marshall, Inc.
Zimmer

$1,000-4,999

Abbate, Goodsell, Lawrence and Worden, P.C.
Acme Exterminating Corp.
Ms. Jane R. Adler
Mr. and Mrs. Peter Agoston
A La Cart, Inc.
The Herbert Allen Foundation
Mr. and Mrs. David Almeida
Mr. and Mrs. Barry J. Alperin
Mr. Anthony P. Ambrosio
Amoco Oil Co.
Mr. and Mrs. Mark L. Andersen
Mr. Paul Anka
Drs. Elliott M. and Karen Antman
Dr. Ingrid Fitz-James Antoine
The Applebaum Foundation, Inc.
Arista Records, Inc.
Arnhold and S. Bleichroeder, Inc.
Ms. Yvonne Uran Arthur
Mr. and Mrs. E. Nelson Asiel
Mr. and Mrs. Edward H. Auchincloss
Dr. and Mrs. James D. Auran
Bally Entertainment Corp.
C. R. Bard, Inc.
Lawrence and Isabel Barnett Charitable Foundation
Mr. Edward E. Barr
Dr. and Mrs. Bruce A. Barron
Bear, Stearns & Co., Inc.
Mrs. Evelyn L. Bell
The Berkshire Group
Mr. Robert Berne
Mr. and Mrs. Russell Berrie
Mrs. Frances Munn Bezencenet
Mr. and Mrs. Theodore Bikel
Bil Mar Foods, Inc.
Bill Blass, Ltd
Ms. Abigail Black-Elbaum
Dr. Jody S. Blanco
Mr. Gerald Blitstein
Mr. Thomas Block
Mrs. Nancy H. Blumenthal
Mr. and Mrs. Peter M. Blumenthal
Mr. Benno Bordiga
Mr. and Mrs. Donald L. Boudreau
Estate of Norma Boulware
Dr. Frederick O. Bowman, Jr.
Mrs. Mary Sayles Booker Braga
Ms. Joy H. Briggs
Drs. Joan and Ronald Brisman
Mr. and Mrs. Steward R. Bross, Jr.
H.L. and Elizabeth M. Brown Foundation
Mr. and Mrs. Fred E. Brown
Browning-Ferris Industries, Inc.
Burton Packaging Co., Inc.
Mr. and Mrs. Milton Butger
Dr. Abbie I. Calder
Mr. and Mrs. D. Wayne Calloway
Dr. Martin B. Camins
Carolyn Child Life Fund
Carrier Corporation
Mr. Guy F. Cary
Casa Galicia De Unidad Gallega
Dr. John A. Chabot
Chemical Bank
Drs. David and Lilian Chiu
Ms. Ann V. Clarke
Clinical Communications, Inc.
Dr. Deborah Li Cohen
Mr. and Mrs. L. I. Cohen
Mr. and Mrs. Bradley I. Collins
The Commonwealth Fund
Dr. and Mrs. Jose J. Contreras
Ms. Maurine T. Coon
Ms. Joan Ganz Cooney
Dr. Jerome Cooper
Dr. and Mrs. Stuart W. Cosgriff
Ms. Darlene L. Cox
Mr. Clive S. Cummis
Mr. and Mrs. James A. Curnal
CU-PH School of Nursing Alumnae Association
Dade Community Foundation
Daniels Family Foundation
Mr. Anthony F. Daddino
Dancker, Sellew & Douglas, Inc.
Mr. and Mrs. Stanley Danzig
Davis, Saperstein & Salomon
The Helen and Philip Delman Foundation, Inc.
Mr. William V. DeMorris, III
Mr. and Mrs. Frank J. Desiderio
Mr. and Mrs. Alvin Deutsch
Drs. John and Yvonne Driscoll
Mr. and Mrs. John Leacy DuPre
Mr. and Mrs. John L. Eastman
Edward S. Gordon Company Inc.
EE & C Financial Services, Inc.
Mr. Frederick S. Ege
Mrs. Elizabeth Gerard Ehrenkranz
Dr. and Mrs. Milton M. Ehrlich
Dr. and Mrs. John W. Espy
Dr. Alison Estabrook
Ms. Thelma Ewig
Dr. and Mrs. Stanley Fahn
Mr. and Mrs. William A. Ferer
Fertility and Gynecology Center, P.A.
Mr. Richard D. Field
Mr. Pedro Figueredo
First Fidelity Bancorporation
Flaghouse, Inc.
Mr. Arnold J. Flegenheimer
Mr. James W. Foley
Mr. Michael S. Force
Ms. Lynn Forester
Mrs. Harry S. W. Fowler
Mr. Louis J. Fox
Mr. and Mrs. Richard J. Francolini
Arnold D. Frese Foundation, Inc.
Mr. and Mrs. Michel Fribourg
Fuji Medical Systems U.S.A.
Dr. Wendy Warren Fuzesi
Dr. Pamela F. Gallin
Mr. and Mrs. Howard L. Ganek
Mr. and Mrs. Seymour Gartenberg
Dr. Glenda Garvey
Gemiluth Chessed of Greater New York, Inc.
Genentech, Inc.
G.F.H. Orthotic & Prosthetic
Dr. Claude P.J. Ghez
Mr. David L. Ginsberg
Mr. and Mrs. Michael O. Gittelsohn
Drs. Arnold P. and Sandra Gold
Mr. and Mrs. Clifford Goldsmith
Ms. Alexandra W. Golinkin
Dr. Robert R. Goodman
Mrs. Rene Graef
Dr. S. Ashby Grantham
Miss Marilyn P. Graves
Mr. and Mrs. Ed Grebow
Greenberg, Traurig, Hoffman, Lippoff, Rosen & Quentel
Ms. Helene Grosbard
Gumuchian Fils Ltd.
Mrs. Samuel Gutner
Mr. and Mrs. William B. Hadden, III
Mr. Robert A. Hamilton
Hamilton Cavanaugh, Inc.
The Irving Harris Foundation
Mr. and Mrs. Jacob S. Harris
Mr. and Mrs. S. Alexander Haverstick, II
Helen Hayes Hospital
Dr. Coleman Henley, Jr.
Mr. Carroll A. Hochwalt, Jr.
Dr. and Mrs. Burton Hoffner
Dr. and Mrs. Herbert H. Hoffner
Mr. Harold P. Hogstrom
Dr. Claudia Holland
Homak Manufacturing Co., Inc.
Mr. S. Lawrence Hornstein
Hospital Receivables Systems, Inc.
Mr. and Mrs. Charles O. Hoyt
Hy David & Sons Foundation, Inc.
Dr. and Mrs. Allen I. Hyman
Dr. George A. Hyman
IBM Corporation
Implementation Specialists
International Dairy Queen, Inc.
J.G. Wentworth & Co., Inc.
Charles B. & Irene B. Jacobs Foundation
Mr. and Mrs. Mark D. Jacobs
Mr. William H. Janeway
Dr. Alfred Jaretzki, III
Mr. Lee Javitch
Mr. and Mrs. Hans G. Jepson
Dr. Raphael Jewelewicz
Ms. Ellen Jewett
Mr. and Mrs. Waldemar Jezler
Dr. Lewis A. Johnson
Drs. Norman and Dale Kahn
Kalkines, Arky, Zall & Bernstein
Mr. and Mrs. Peter Kaminer
Karen Kane, Inc.
The Karetsky Family Memorial Fund
Drs. Kenneth H. & Jane H. Katz
Mr. Richard R. Kearns
Virginia and Richard Keim
Dr. Amalia Kelly
Mr. and Mrs. William H. Keogler, Jr.
Dr. Hoshang Jal Khambatta
Dr. Alexander G. Khandji
Dr. Howard A. Kiernan, Jr.
Kimberly-Clark Corporation
Dr. and Mrs. David W. Kinne
David Klein Jr. Memorial Foundation
Knoll Pharmaceuticals Co.
Mr. and Mrs. Craig L. Knutson
Dr. Baroukh E. Kodsi
Mr. Sidney Kraines
Mr. Alan M. Krause
Mr. Stuart L. Kreisler
Mr. and Mrs. Kenneth Kriegel
Dr. and Mrs. Ehud Krongrad
Dr. Theodore Y. Lai
Mr. Peter D. Lamm
Mr. and Mrs. Curtis S. Lane
Joyce and Philip Lane
Dr. Jonathan D. LaPook
Mr. and Mrs. William F. Laporte

Larsen Associates
Dr. Anita P. LaSala
Mr. Peter R. Lasusa
Laumont Color Lab, Inc.
Leaden Associates, Inc.
Mr. and Mrs. Thomas Ledoux
Dr. Martin L. Leib
Mrs. Christine G. Leness
The Jack Levin Foundation, Inc.
Dr. and Mrs. Richard U. Levine
Mrs. M. William Levy
Dr. Linda D. Lewis
Dr. Robert M. Lewy
Libra Investments, Inc.
Dr. James S. Lieberman
Mr. and Mrs. Alan Linder
Linvatec Corporation
The Lipari Family Foundation Inc.
Joseph & Ida Liskin Foundation, Inc.
Mr. and Mrs. Frank Lloyd
Dr. Paul LoGerfo
The Long Island Savings Bank
Dr. and Mrs. Juan Sebastian Lopez
Mr. and Mrs. Marc H. Lory
Dr. William P. Lovejoy
Mr. Charles F. Luce
Virginia & D.K. Ludwig Foundation, Inc.
Mr. and Mrs. Michael Lynne
Mr. and Mrs. Walter M. Lyon
Mandell Mechanical Corporation
Marion Merrell Dow, Inc.
Mr. and Mrs. Howard S. Marks
Mr. and Mrs. Mark Mashburn
Dr. Raymond Michael McCaffrey
Mr. and Mrs. Brian McCarthy
Mr. and Mrs. Grover Benjamin McClure
MCJ Foundation
Mr. and Mrs. Jason D. McManus
Dr. James G. McMurtry, III
Honorable Henry P. McNamara
McNeil Pharmaceuticals
Medical Power Associates
Merck & Co., Inc.
Dr. John C. Merriam
Metropolitan Ambulance & First Aid Corp.
Metropolitan PGA of America
Mr. James B. Metzger
Midlantic Bank, N.A.
Dr. David A. Miles
Dr. Leroy J. Miller
Mr. and Mrs. Ross R. Millhiser
Milliken Foundation
Mrs. Keith M. Moffat
Mr. and Mrs. Arnaldo Monzon
Ms. Marcia C. Morris
Honorable and Mrs. Emil Mosbacher, Jr.
Mudge Rose Guthrie
Multiplan, Inc.
Dr. Equinn W. Munnell
The Muzio Family Foundation
Ms. Judith Nadelson
National Media Group, Incorporated
New York Marriott Marquis
New York Orthopaedic Hospital
Neurosurgical Associates
Estate of Nan Allen Nixon
Mrs. Olivia Schieffelin Nordberg
Ronald and Laureen Nowakowski
Ms. Margaret C. O'Brien
Mr. Raymond V. O'Brien, Jr.
Mr. and Mrs. Jeffrey M. Lewis Oakes
Dr. Carl A. Olsson
Dr. Luis Cesar Nina Ortega
Ortho Biotech
Osteotech, Inc.
Dr. Mehmet C. Oz
Park B. Smith, Inc.
Parke Davis & Co.
Paul, Hastings, Janofsky & Walker
Ms. Susan M. Parker
Dr. Sharon L. Patrick
The Alexander R. Peacock Trust
The Jean R. Peacock Trust
Mr. Cesar A. Perales
Mr. and Mrs. Mario Perillo
PGA of America-New Jersey
Philip Morris Companies, Inc.
Phillips Nizer Benjamin Krim
Mr. and Mrs. Raymond H. Phillips
Mr. Lionel I. Pincus
Mr. William Pitt
Mr. and Mrs. Stuart G. Plotkin
Polo Ralph Lauren Corp.
Dr. Kalmon D. Post
Dr. Seymour C. Post
Dr. John E. Postley, Jr.
Mrs. H. Irving Pratt
Prestige Food Brokers, Inc.
Prudential-Bache Securities, Inc.
Dr. Peter J. Puchner
Mrs. Eugenie Radziwill
Mr. and Mrs. James D. Rancourt
The Reader's Digest Foundation, Inc.
Dr. Joan A. Regan
Mr. and Mrs. Richard W. Reinemann
Mr. and Mrs. Paul Revson
Mr. Jonathan Rinehart
Dr. Nancy Ann Roberson
Rockland Thoracic Associates
Susan and Elihu Rose
Mr. and Mrs. Bernard Rosen
Mr. and Mrs. James H. Rosenfield
Mr. and Mrs. Charles M. Rosenthal
Rosh Foundation
Ross Products
Ms. Elaine Royce
Sandoz Pharmaceuticals Corp.
Sara Lee Corp.
Ms. Melody L. Sarnell
Mrs. Renate Schaefer
Mr. Michael Scharf
Mr. and Mrs. Stephen J. Scheffer
Mr. Craig H. Schiffer
Dr. and Mrs. Edward B. Schlesinger
Hans & Luise Schlesinger Foundation
Mrs. Hildegard Schonfeld
Ms. Caryn A. Schwab
Ms. Carolyn Jane Scott
Ms. Adelaide Segerman
Mr. and Mrs. Andrew D. Seidel
Dr. Edward B. Self, Jr.
Mr. and Mrs. Harris L. Shapiro
Mr. and Mrs. George H. Shattuck, Jr.
Dr. Michael L. Shelanski
Mr. Salwyn Shufro
Siemens Medical Systems, Inc.
Mr. and Mrs. Samuel J. Silberman
The Harvey Silverman Foundation, Inc.
Estate of Nina Silverman
Dr. David N. Silvers
The Helen and Joseph Skilken Foundation
Harold Simmons Foundation, Inc.
Mr. and Mrs. Jerome Slater
The Sloman Foundation
Dr. and Mrs. Daniel H. Smith
Ms. Megane Smith
SmithKline Beecham Pharmaceuticals
Seth Sprague Educational and Charitable Foundation
Mrs. Barbara Goepfert Squire
Star Draperies, Inc.
Mr. Michael R. Stein
Stepic Corporation
Dr. Laurie Ann Stevens
St. Francis Hospital
Martha Washington Straus
Ms. Lorraine Strauss
Mr. and Mrs. Richard F. Strup
Ms. Claire Sudler
Swissotel New York
Mrs. Sarah Nash Sylvester
Talbots
Mr. and Mrs. Glenn E. Tanner
TAP Holdings, Inc.
TAP Pharmaceuticals Inc.
Dr. Donald F. Tapley
Dr. and Mrs. Rafael A. Tejeda
Telesector Resources Group
Television Rental Co.
Mr. and Mrs. Fred Thomases
Dr. Byron M. Thomashow
Mrs. Cynthia H. Tilney
Dr. Jose Francisco Torres
Tri-State Cadillac Dealers
Triple A Supplies Inc.
Marcia Brady Tucker Foundation
Dr. Gerard M. Turino
Ms. Patricia J. Ullman
U. S. Healthcare, Inc.
Validation Review Associates
Mrs. May Chen Vanden Broeck
Dr. Alan Vanderwalde
Mr. William A. Volckhausen
Dr. Christopher Wang
Wendy and Yichwan Wang
We B Hats, Inc.
Weil Gotshal & Manges Foundation, Inc.
Dr. and Mrs. Myron L. Weisfeldt
Dr. and Mrs. Francis M. Weld
Nina W. Werblow Charitable Trust
Mrs. Helen B. West
Dr. Carolyn Louise Westhoff
Mrs. Elizabeth G. Weymouth
Dr. Ralph N. Wharton
Dr. Richard L. Whelan
White & Case
Mr. Theodore Williams
Mr. Walter L. Willner
Mr. and Mrs. Richard E. Witten
Mrs. Susan R. Witter
Ms. Martha D. Wolfgang
Ms. Barbara Wolverton
Mr. Victor Wright
Dr. Ming-Neng Yeh
Dr. Chun K. Yip
Dr. George J. Zambetti, Jr.
Barry L. and Jan R. Zubrow
6421 Fourteenth Produce Corp.

JAMES LENOX SOCIETY

Honoring The Presbyterian Hospital's founder and first president, James Lenox, the following individuals have followed in his tradition of philanthropy through their generous, unrestricted cumulative gifts of $1,000 or more to the Hospital's annual fund or to the annual Gala. (Gifts received as of March 1, 1996.)

Mr. and Mrs. Oded Aboodi
Ms. James R. Adler
Mr. and Mrs. Peter Agoston
Mr. and Mrs. David Almeida
Mr. and Mrs. Barry J. Alperin
Mr. and Mrs. Mark Andrews
Mr. Paul Anka
Ms. Leila Applebaum
Mr. and Mrs. Edward H. Auchincloss
Mr. David G. Baird, Jr.
Mr. and Mrs. Robert H. B. Baldwin
Mr. Edward E. Barr
Dr. and Mrs. Bruce A. Barron
Mr. Martin A. Battestin
Mrs. Evelyn L. Bell
Mr. and Mrs. William J. Benedict
Mr. and Mrs. Robert H. Berkley
Mr. and Mrs. Warren Berliner
Mr. Robert Berne
Mr. and Mrs. Russell Berrie
Mr. and Mrs. Theodore Bikel
Mr. Thomas Block
Mr. Benno Bordiga
Mr. and Mrs. Donald L. Boudreau
Mrs. Mary Sayles Booker Braga
Ms. Joy H. Briggs
Mr. Arturo J. Brillembourg
Mr. and Mrs. Steward R. Bross, Jr.
Mr. and Mrs. Fred E. Brown
Mr. and Mrs. Daniel B. Burke
Mr. Walter Burke
Mr. and Mrs. Milton Butger
Mr. Gilbert Butler
Dr. Abbie I. Calder
Mr. and Mrs. D. Wayne Calloway
Mr. and Mrs. Robert Carmel
Mr. Guy F. Cary
Mr. and Mrs. Norman Chalif
Mr. and Mrs. Thomas L. Chrystie
Mr. and Mrs. Howard L. Clark
Mr. and Mrs. Howard L. Clark, Jr.
Mr. and Mrs. James McConnell Clark
Mr. and Mrs. L. I. Cohen
Ms. Joan Ganz Cooney
Ms. Jan Flanzer Cooper
Dr. and Mrs. Stuart W. Cosgriff
Ms. Marsha Von Mueffling Crawford
Mr. Clive S. Cummis
Mr. and Mrs. Charles Dana, Jr.
Mr. and Mrs. Frank J. Desiderio
Mr. and Mrs. Alvin Deutsch
Ms. Audrey Dorsen
Mr. and Mrs. Richard C. Dresdale
Mr. and Mrs. John L. Eastman
Dr. Richard Edie
Mr. Frederick S. Ege
Mr. and Mrs. Alvin H. Einbender
Ms. Margorie L. Everett
Mr. Irving M. Ewig
Mr. and Mrs. Neil Feldstein
Mr. Richard D. Field
Mr. and Mrs. Max M. Fisher
Mr. Arnold J. Flegenheimer
Mr. James W. Foley
Ms. Lynn Forester
Mr. Nicholas C. Forstmann
Ms. Margaret E. Foulds
Mrs. Harry S. W. Fowler
Mrs. William Fox
Dr. and Mrs. Alvin R. Frank
Mr. and Mrs. Lawrence Friedland
Mr. and Mrs. Michel Fribourg
Mr. and Mrs. Alan Jay Fuirst
Dr. Wendy Warren Fuzesi
Mr. and Mrs. Howard L. Ganek
Mr. and Mrs. Frederic Garonzik
Mr. and Mrs. Seymour Gartenberg
Mr. David L. Ginsberg
Mr. and Mrs. Michael O. Gittelsohn
Mrs. Robert G. Goelet
Mr. and Mrs. Arthur M. Goldberg
Mr. and Mrs. Jay Sheldon Goldsmith
Ms. Alexandra W. Golinkin
Miss Marilyn P. Graves
Ms. Helene Grosbard
Ms. Josephine F. Gulamerian
Ms. Marilyn J. Gull
Dr. and Mrs. Frank E. Gump
Mrs. Samuel Gutner
Mrs. Elizabeth Smith Habif
Mr. and Mrs. William B. Hadden, III
Mr. Robert A. Hamilton
Mr. John Hamilton
Mr. and Mrs. Arthur J. Hedge, Jr.
Mr. and Mrs. David Helpern
Mr. Sherlock Hibbs
Mr. Carroll A. Hochwalt, Jr.
Dr. and Mrs. Burton Hoffner
Dr. and Mrs. Herbert Hoffner
Mr. S. Lawrence Hornstein
Mrs. Ellen E. Howe
Mr. Henry H. Hoyt, Jr.
Mr. and Mrs. James B. Hurlock
Dr. George A. Hyman
Mr. and Mrs. Herbert Irving
Mr. and Mrs. Mark D. Jacobs
Mr. and Mrs. Robert L. James
Mr. William H. Janeway
Mr. Lee Javitch
Mr. and Mrs. Hans G. Jepson
Dr. Lewis A. Johnson
Mr. and Mrs. Peter Kaminer
Mr. Richard L. Kauffman
Mr. James R. Kennedy
Ms. Helen M. Keogler
Mr. and Mrs. William H. Keogler, Jr.
Mr. and Mrs. Thomas B. Ketchum
Mr. and Mrs. William J. Kneisel
Mr. Stuart L. Kreisler
Mr. and Mrs. Kenneth Kriegel
Mr. Peter D. Lamm
Mr. and Mrs. William F. Laporte
Mr. Robert Larsen
Mr. Peter R. Lasusa
Mrs. Christine G. Leness
Mrs. M. William Levy
Mr. and Mrs. Frank Lloyd
Mr. Charles F. Luce
Mr. and Mrs. Michael Lynne
Mr. and Mrs. Walter M. Lyon
Mr. and Mrs. John J. Mack
Dr. and Mrs. James R. Malm
Mr. and Mrs. David I. Margolis
Dr. and Mrs. Alfred M. Markowitz
Mr. and Mrs. Howard S. Marks
Mr. and Mrs. Mark Mashburn
Mr. and Mrs. William F. May
Mr. and Mrs. Grover Benjamin McClure
Mr. James S. McEntegart
Honorable Henry P. McNamara
Mr. James B. Metzger
Mr. Harold J. Miller
Mr. and Mrs. Ross R. Millhiser
Constance Milstein, Esq.
Mr. Ira Milstein
Mr. and Mrs. Paul Milstein
Mr. and Mrs. Seymour Milstein
Ms. Leslie Modell
Mrs. Keith M. Moffat
Mr. and Mrs. Arnaldo Monzon
Mr. Thomas B. and Dr. Hadassah Brooks Morgan
Honorable and Mrs. Emil Mosbacher, Jr.
Ms. Judith Nadelson
Mrs. Olivia Schieffelin Nordberg
Ms. Margaret C. O'Brien
Mr. Raymond V. O'Brien, Jr.
Mr. and Mrs. Daniel P. Paduano
Mr. John A. Pancetti
Mr. and Mrs. Gordon B. Pattee
Mr. John H. Peace
Mr. Charles D. Peebler, Jr.
Mr. and Mrs. Mario Perillo
Mr. Lionel I. Pincus
Mr. William Pitt
Mrs. H. Irving Pratt
Mr. and Mrs. Michael S. Pritula
Mrs. Edith S. Quintana
Mrs. Eugenie Radziwill
Mr. and Mrs. Paul Revson
Dr. Nancy Ann Roberson
Mr. and Mrs. James H. Rosenfield
Mr. and Mrs. Charles M. Rosenthal
Ms. Elaine Royce
Mr. and Mrs. Irving Sager
Mrs. Renate Schaefer
Mr. Michael Scharf
Ms. Kathleen Brady Schiffer
Mr. Hans L. Schlesinger
Mr. and Mrs. Peter William Schweitzer
Ms. Carolyn Jane Scott
Mr. and Mrs. Andrew D. Seidel
Mr. and Mrs. Harris L. Shapiro
Mr. and Mrs. George H. Shattuck, Jr.
Mr. Salwyn Shufro
Mr. Jerome E. Siegel
Mr. and Mrs. Samuel J. Silberman
Mr. and Mrs. Dwight D. Sipprelle
Mr. and Mrs. Spyros S. Skouras
Mr. and Mrs. Jerome Slater
Ms. Margaret W. Spofford
Ms. Beatrice Steyer
Mr. Howard Stringer and Dr. Jennifer Patterson
Mr. and Mrs. Fred Thomases
Mr. and Mrs. Trygve Tonnessen
Mr. and Mrs. Alexander F. Treadwell
Mr. Dan Tuohy
Mr. and Mrs. Wylie F. L. Tuttle
Ms. Patricia J. Ullman
Mr. and Mrs. Lawrence B. Van Ingen
Mr. William A. Volckhausen
Ms. Elita C. Wadmond
Mr. and Mrs. Sidney J. Weinberg, Jr.
Mrs. Elizabeth G. Weymouth
Mrs. Carole White
Mr. Theodore Williams
Mr. Walter L. Willner

James Lenox Society Members who are also Columbia-Presbyterian staff

Mr. and Mrs. Mark L. Andersen
Drs. Elliott M. and Karen Antman
Dr. Ingrid Fitz-James Antoine
Dr. and Mrs. James D. Auran
Dr. Laxmi V. Baxi
Dr. Jody S. Blanco
Drs. Joan and Ronald Brisman
Dr. John A. Chabot
Drs. David and Lilian Chiu
Dr. and Mrs. Jose J. Contreras
Dr. Jerome Cooper
Ms. Darlene L. Cox
Dr. and Mrs. Milton M. Ehrlich
Dr. and Mrs. John W. Espy
Dr. Stanley Fahn
Dr. Carl Feind
Mr. Ben Fernandez
Dr. Martin Gardy
Dr. Glenda Garvey
Dr. Peter Geller
Dr. Elsa-Grace Giardina
Dr. S. Ashby Grantham
Dr. Coleman Henley, Jr.
Mr. Harold P. Hogstrom
Dr. Claudia Holland
Dr. Nabil W. Husami
Dr. Hilda Y. Hutcherson
Dr. and Mrs. Allen I. Hyman
Dr. Alfred Jaretzki, III
Dr. Raphael Jewelwicz
Drs. Norman and Dale Kahn
Mr. Richard R. Kearns
Dr. Amalia Kelly
Dr. Hoshan Jal Khambatta
Dr. Howard A. Kiernan, Jr.
Dr. and Mrs. Ehud Krongrad
Dr. Jonathan D. LaPook
Dr. Anita P. LaSala
Dr. Martin L. Leib
Dr. and Mrs. Richard U. Levine
Dr. Linda D. Lewis
Dr. Robert M. Lewy
Dr. James S. Lieberman
Dr. Paul LoGerfo
Dr. and Mrs. Juan Sebastian Lopez
Mr. and Mrs. Marc H. Lory
Dr. Andrew Loucopoulos
Dr. William P. Lovejoy
Dr. Raymond Michael McCaffrey
Dr. James G. McMurtry, III
Dr. John C. Merriam
Ms. Marcia C. Morris
Dr. Equinn M. Munnell
Ronald and Laureen Nowakowski
Dr. Carl A. Olsson
Dr. Luis Cesar Nina Ortega
Dr. and Mrs. Martin W. Oster
Dr. Sharon L. Patrick
Mr. Cesar A. Perales
Dr. Seymour C. Post
Dr. John E. Postley, Jr.
Dr. Peter J. Puchner
Dr. Nancy Ann Roberson
Dr. John N. Schullinger
Ms. Caryn A. Schwab
Dr. Edward B. Self, Jr.
Dr. Michael L. Shelanski
Dr. David N. Silvers
Dr. and Mrs. Daniel H. Smith
Dr. Robert Solomon
Drs. William and Phoebe Speck
Mr. Michael R. Stein
Dr. and Mrs. Kenneth Steinglass
Dr. Laurie Ann Stevens
Dr. Mark B. Stoopler
Dr. Donald F. Tapley
Dr. and Mrs. Rafael A. Tejeda
Dr. Byron M. Thomashow
Dr. Jose Francisco Torres
Dr. and Mrs. Wolfgang Tretter
Dr. Gerard M. Turino
Dr. Alan Vanderwalde
Dr. Christopher Wang
Dr. and Mrs. Myron Weisfeldt
Dr. and Mrs. Francis M. Weld
Dr. Carolyn Louise Westhoff
Dr. Ralph N. Wharton
Dr. Richard L. Whelan
Ms. Martha D. Wolfgang
Dr. Ming-Neng Yeh
Dr. Chun K. Yip
Dr. George J. Zambetti, Jr.

The Presbyterian Hospital

The Allen Pavilion
Babies & Children's Hospital of New York
Edward S. Harkness Eye Institute
Neurological Institute
New York Orthopaedic Hospital
Sloane Hospital for Women
Squier Urological Clinic
Vanderbilt Clinic
Washington Heights/Inwood Ambulatory Care Network Corporation

Columbia University Health Sciences

College of Physicians & Surgeons
School of Dental & Oral Surgery
School of Nursing
School of Public Health
Occupational Therapy Program
Physical Therapy Program
Augustus C. Long Health Sciences Library

CPMC Ambulatory Facilities

Columbia-Presbyterian/Eastside
Columbia-Presbyterian Riverdale Associates
Columbia-Presbyterian Westside

New York State Psychiatric Institute

Specialized Centers & Institutes

Columbia-Presbyterian Cancer Center
Center for Arteriosclerosis Research
Centers for Community Health
Center for Geriatrics & Gerontology
Center for Medical Informatics
Center for Neurobiology & Behavior
Center for Psychoanalytic Training & Research
Center for the Study of Society & Medicine
Comprehensive Sickle Cell Center
Gertrude H. Sergievsky Center
Hughes Medical Institute Program in Molecular Neurobiology
Hughes Medical Institute Program in Structural Biology
International Institute for the Study of Human Reproduction
Institute of Human Nutrition
Herbert Irving Cancer Center
Irving Center for Clinical Research

COLUMBIA UNIVERSITY LIBRARIES
0050075780

Prepared by the Public Relations Department of The Presbyterian Hospital

William T. Speck, MD
President and Chief Executive Officer

Richard R. Kearns
Senior Vice President and Chief Development Officer

Susan Parker
Vice President for Public Relations

Robert D. de Luna
Director of Publications

Editors
Gary Goldenberg/Active Voice, Inc.
Robert D. de Luna

Writers
Gary Goldenberg, pp. 1-9, 28.
Anna Sobkowski, pp. 10-11.
Robert D. de Luna, pp. 12-15, 20-27, timeline.
Laurie Joan Aron, pp. 16-19.

Design
Krawciw/Skalsky/Wasylkywskyj

Computer Graphics
Ihor Barabakh

Principal Photographer
Carlos René Perez

Production Coordinator
Joan Penn

Production Assistant
Kathleen Thompson

Printing
RASCO Graphics, Inc., New York

Additional photography
Animals, Animals, Inc., © Breck P. Kent, front cover.
Nancy Gautier-Matos, pp. 4, 5.
Sal Benedetto, p. 10 (courtesy of Holy Name Hospital).
Marie Wallace, p. 14 (left).
Michael Kodas, p. 14 (top) (courtesy of *The Hartford Courant*).
Jonathan Smith, pp. 21, 22 (bottom), 24, 28.
James Prince, p. 25.
Photo Researchers, Inc., © Cecil H. Fox, Ph.D., p. 26.
Timeline photography: Joan Penn; Marie Wallace; Nancy Gautier-Matos; Robert D. de Luna; David Karp; Carlos René Perez; Frank Micelotta; (Aretha Franklin, p. 9, courtesy of Arista Records, Inc.); David Dempster, MD, Helen Hayes Hospital (bone images, p. 23).

© 1996 The Presbyterian Hospital in the City of New York. Reprint only with credit to "The Presbyterian Hospital, Columbia-Presbyterian Medical Center."

Gifts to The Presbyterian Hospital

Philanthropic support has always played an important role in the history of The Presbyterian Hospital. Indeed, the tradition of generous private support dating back to the Hospital's founding has helped to make possible its position of preeminence in patient care.

The Presbyterian Hospital is prepared to assist individuals interested in gift planning by providing information about the many ways in which a contribution can be made, and the unique giving opportunities available at the Hospital. Gifts of cash, securities, real estate, life insurance, bequests, trust plans, even objects of art are examples of ways in which a gift can be made and directed towards the Hospital's needs and areas of special interest. Named gift opportunities enable donors to honor a family name or that of a loved one, the founder of a firm, or an organization. Specific rooms and areas can be designated for support and appropriate recognition provided.

We invite you to contact us for more information. Please write or call:

Richard R. Kearns
Senior Vice President and Chief Development Officer
The Presbyterian Hospital
Columbia-Presbyterian Medical Center
New York, NY 10032-3784
(212) 305-7022

Columbia-Presbyterian Medical Center
New York, N.Y. 10032-3784